



**Australian Government**

# **UET40419 Certificate IV in ESI - Network Systems**

**Release 1**

## UET40419 Certificate IV in ESI - Network Systems

### 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 on network systems in the electricity supply industry (ESI).

This qualification covers work on the network systems in the specific fields of live line transmission, live line distribution, live line rail traction and/or installation and maintenance of specialised underground cables. These roles may lead or supervise work teams and work in transmission, distribution, rail or cable jointing.

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 licencing 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 **1280 weighting points** comprising:

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

**740 general elective weighting points** from the general elective units listed below.

Choose a total of **740 weighting points** elective units from the list below, of which between 0 and 60 **weighting points** can be taken from Group A; between 0 and 420 **weighting points** can be taken from Group B; and between 320 and 740 **weighting points** taken from Group C. You may select all your electives 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 all prerequisite units specified

are complied with.

Core units	Weighting Points
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 └ UEENEEG101A Solve problems in electromagnetic devices and related circuits	80
UETTDREL11 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
UETTDREL62	Implement and monitor the power system organisational WHS/OHS policies, procedures and programs Common Unit Group └ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace └ UETTDREL16 Working safely near live electrical apparatus	30
UETTDREL63	Implement & monitor power system environmental & sustainable energy management policies & procedures Electrotechnology Pathway Unit Group └ UEENEEK142A Apply environmentally and sustainable procedures in the energy sector ESI - TDR Pathway Unit Group └ UETTDREL11 Apply sustainable energy and environmental procedures	30

Group A: Imported and common elective units		Weighting Points
AHCMOM213	Operate and maintain chainsaws	20
BSBINM401	Implement workplace information system	40
BSBLDR402	Lead effective workplace relationships	50
BSBLDR403	Lead team effectiveness	50
BSBMGT402	Implement operational plan	40

BSBMGT403	Implement continuous improvement	40
CPCCLRG3001A	Licence to perform rigging basic level	40
	└ CPCCLDG3001A Licence to perform dogging	

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

UETTDRCJ21	Lay ESI electrical cables	20
	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	
	└ UETTDREL11 Apply sustainable energy and environmental procedures	
	└ UETTDREL16 Working safely near live electrical apparatus	
UETTDRCJ22	Install and maintain de-energised low voltage underground paper insulated cables	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	
	└ 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

└ UETTDREL16 Working safely near live electrical apparatus

└ UETTDNIS41 Install network infrastructure electrical equipment

└ UETTDNIS42 Maintain network infrastructure electrical equipment

└ UETTDNIS55 Install and maintain low voltage underground services

UETTDRCJ23 Install and maintain de-energised high voltage underground paper insulated 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

└ 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

└ 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

└ UETTDREL16 Working safely near live electrical apparatus

└ UETTDNIS41 Install network infrastructure electrical

	equipment	
	└ UETTDRI542 Maintain network infrastructure electrical equipment	
	└ UETTDRI555 Install and maintain low voltage underground services	
UETTDRCJ24	Joint and maintain energised low voltage underground paper insulated 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	
	└ 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	
	└ 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	
	└ UETTDREL16 Working safely near live electrical apparatus	
	└ UETTDRI541 Install network infrastructure electrical equipment	
	└ UETTDRI542 Maintain network infrastructure electrical equipment	
	└ UETTDRI555 Install and maintain low voltage underground services	

UETTDRCJ25 Perform straight through high voltage paper insulated to 50  
polymeric transition joint

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

└ 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

└ UETTDREL16 Working safely near live electrical apparatus

└ UETTDRI41 Install network infrastructure electrical equipment

└ UETTDRI42 Maintain network infrastructure electrical equipment

└ UETTDRI55 Install and maintain low voltage underground services

UETTDRCJ26 Install and maintain de-energised low voltage 50  
underground polymeric cables

Common Unit Group

└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace



	<ul style="list-style-type: none"> <li>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</li> <li>└ UEENEEE105A Fix and secure electrotechnology equipment</li> <li>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li> <li>└ UETTDRCJ21 Lay ESI electrical cables</li> <li>└ UETTDREL11 Apply sustainable energy and environmental procedures</li> <li>└ UETTDREL16 Working safely near live electrical apparatus</li> </ul>	
UETTDRCJ27	<p>Install and maintain de-energised high voltage underground polymeric cables</p> <p>Common Unit Group</p> <ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</li> <li>└ UEENEEE105A Fix and secure electrotechnology equipment</li> <li>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li> <li>└ UETTDRCJ21 Lay ESI electrical cables</li> <li>└ UETTDREL11 Apply sustainable energy and environmental procedures</li> <li>└ UETTDREL16 Working safely near live electrical apparatus</li> </ul>	50
UETTDRCJ28	<p>Joint and maintain energised low voltage underground polymeric cables</p> <p>Common Unit Group</p> <ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</li> <li>└ UEENEEE104A Solve problems in d.c. circuits</li> <li>└ UEENEEE105A Fix and secure electrotechnology equipment</li> <li>└ UEENEEE107A Use drawings, diagrams, schedules,</li> </ul>	50

standards, codes and specifications

└ UEENEEG101A Solve problems in electromagnetic devices and related circuits

└ UEENEEG102A Solve problems in low voltage a.c. circuits

└ 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

└ UETTDREL16 Working safely near live electrical apparatus

└ UETTDRI41 Install network infrastructure electrical equipment

└ UETTDRI42 Maintain network infrastructure electrical equipment

└ UETTDRI55 Install and maintain low voltage underground services

UETTDRCJ99 Test and verify distribution cable jointing 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

└ UETTDRCJ21 Lay ESI electrical cables

	<ul style="list-style-type: none"> <li>└ UETTDRCJ26 Install and maintain de-energised low voltage underground polymeric cables</li> <li>└ UETTDRCJ27 Install and maintain de-energised high voltage underground polymeric cables</li> <li>└ UETTDREL11 Apply sustainable energy and environmental procedures</li> <li>└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus</li> <li>└ UETTDREL16 Working safely near live electrical apparatus</li> <li>└ UETTDRI41 Install network infrastructure electrical equipment</li> <li>└ UETTDRI42 Maintain network infrastructure electrical equipment</li> <li>└ UETTDRI55 Install and maintain low voltage underground services</li> </ul>	
UETTDROP11	<p>Inspect overhead poles-structures and electrical apparatus</p> <p>Common Unit Group</p> <ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li> <li>└ UETTDREL11 Apply sustainable energy and environmental procedures</li> <li>└ UETTDREL16 Working safely near live electrical apparatus</li> </ul>	50
UETTDROP12	<p>Maintain overhead energised low voltage conductors and cables</p> <p>Common Unit Group</p> <ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</li> <li>└ UEENEEE104A Solve problems in d.c. circuits</li> <li>└ UEENEEE105A Fix and secure electrotechnology equipment</li> <li>└ UEENEEE107A Use drawings, diagrams, schedules,</li> </ul>	60

	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	
UETTDROP99	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	
	└ UETTDROP11 Inspect overhead poles-structures and electrical apparatus	
	└ UETTDROP12 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	
	└ UETTDREL16 Working safely near live electrical	

apparatus

└ 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

UETTDRI41      Install 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

└ 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

└ 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

└ UETTDNRJC21 Lay ESI electrical cables

└ UETTDNRJC26 Install and maintain de-energised low voltage underground polymeric cables

└ UETTDNRJC27 Install and maintain de-energised high voltage underground polymeric cables

└ UETTDNIS41 Install network infrastructure electrical equipment

└ UETTDNIS55 Install and maintain low voltage underground services

UETTDNIS44 Perform HV field switching operation to a given schedule 50

### Electrical

### Common Unit Group

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

└ UEENEEEE102A Fabricate, assemble and dismantle utilities industry components

└ UEENEEEE104A Solve problems in d.c. circuits

└ UEENEEEE105A Fix and secure electrotechnology equipment

└ UEENEEEE107A 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

└ UETTDRLS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDRLTP26 Install transmission structures and associated hardware

└ UETTDRLTP27 Maintain transmission structures and associated hardware

└ UETTDRLTP29 Install and maintain transmission overhead conductors and cables

Distribution Overhead Pathway Group

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDRLDP12 Maintain overhead energised low voltage conductors and cables

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

└ UETTDRLS41 Install network infrastructure electrical equipment

└ UETTDRLS42 Maintain network infrastructure electrical equipment

└ UETTDRLS52 Install and maintain poles, structures and associated hardware

└ UETTDRLS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDRLS56 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

└ 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 OHS risks associated with electrotechnology work

└ UEENEEG006A Solve problems in single and three phase low voltage machines

└ UEENEEG033A Solve problems in single and three

	<p>phase low voltage electrical apparatus and circuits</p> <p>└ UEENEEG063A Arrange circuits, control and protection for general electrical installations</p> <p>└ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits</p> <p>└ UEENEEG108A Trouble-shoot and repair faults in low voltage electrical apparatus and circuits</p> <p>└ UEENEEG109A Develop and connect electrical control circuits</p> <p>└ UEENEEK142A Apply environmentally and sustainable procedures in the energy sector</p> <p>└ UETTDRI567 Solve problems in energy supply network equipment</p>	
UETTDRI52	<p>Install and maintain poles, structures and associated hardware</p> <p>Common Unit Group</p> <p>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</p> <p>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</p> <p>└ UEENEEE105A Fix and secure electrotechnology equipment</p> <p>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>└ UETTDREL11 Apply sustainable energy and environmental procedures</p> <p>└ UETTDREL16 Working safely near live electrical apparatus</p>	50
UETTDRI54	<p>Install and maintain poles, structures and overhead conductors and cables</p> <p>Common Unit Group</p> <p>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</p> <p>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</p> <p>└ UEENEEE105A Fix and secure electrotechnology equipment</p> <p>└ UEENEEE107A Use drawings, diagrams, schedules,</p>	60

	standards, codes and specifications	
	└ UETTDREL11 Apply sustainable energy and environmental procedures	
	└ UETTDREL16 Working safely near live electrical apparatus	
UETTDRI55	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	
	└ 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	
	└ UETTDROP12 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

└ 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

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

└ UETTDRI567 Solve problems in energy supply network equipment

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

└ 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

└ 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

└ UETDRRT23 Install rail traction bonds

└ UETDRRT27 Install overhead traction components and equipment

└ UETDRRT28 Maintain overhead traction components and equipment

Distribution Cable Jointing Pathway Group

└ UETDRCJ21 Lay ESI electrical cables

└ UETDRCJ26 Install and maintain de-energised low voltage underground polymeric cables

└ UETDRCJ27 Install and maintain de-energised high voltage underground polymeric cables

└ UETDREL11 Apply sustainable energy and environmental procedures

└ UETDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETDRIS41 Install network infrastructure electrical equipment

└ UETDRIS42 Maintain network infrastructure electrical equipment

└ UETDRIS55 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

└ UETTDRI567 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

└ UETDRDP11 Inspect overhead poles-structures and electrical apparatus

└ UETDRDP12 Maintain overhead energised low voltage conductors and cables

└ UETDRIS41 Install network infrastructure electrical equipment

└ UETDRIS42 Maintain network infrastructure electrical equipment

└ UETDRIS52 Install and maintain poles, structures and associated hardware

└ UETDRIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETDRIS56 Install and maintain low voltage overhead services

#### Rail Traction Pathway Group

└ UETDRIS52 Install and maintain poles, structures and associated hardware

└ UETDRIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETDRRT21 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

└ UETDRCJ21 Lay ESI electrical cables

└ UETDRCJ26 Install and maintain de-energised low voltage underground polymeric cables

└ UETDRCJ27 Install and maintain de-energised high voltage underground polymeric cables

└ UETDRDP11 Inspect overhead poles-structures and electrical apparatus

└ UETDRIS41 Install network infrastructure electrical equipment

└ UETDRIS42 Maintain network infrastructure

	electrical equipment	
	└ UETTDRI55 Install and maintain low voltage underground services	
UETTDRI58	Locate faults in power system underground power 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	
	└ 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	
	└ 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	
	└ UETTDREL16 Working safely near live electrical apparatus	
	└ UETTDRI41 Install network infrastructure electrical equipment	
	└ UETTDRI42 Maintain network infrastructure electrical equipment	
	└ UETTDRI55 Install and maintain low voltage underground services	
UETTDRI59	Conduct high potential testing of power system underground power cables	50

### 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

└ 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

└ UETTDREL16 Working safely near live electrical apparatus

└ UETTDRI41 Install network infrastructure electrical equipment

└ UETTDRI42 Maintain network infrastructure electrical equipment

└ UETTDRI55 Install and maintain low voltage underground services

UETTDRI60	Install and replace power system energy meters and associated equipment	50
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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

└ UETTDROP12 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

└ 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

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

└ UETTDRI541 Install network infrastructure electrical equipment

└ UETTDRI542 Maintain network infrastructure electrical equipment

└ UETTDRI555 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      50  
Genset

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
- └ 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

#### 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

UETDRRT21      Install traction overhead wiring systems      50

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

	<ul style="list-style-type: none"> <li>└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus</li> <li>└ UETTDREL16 Working safely near live electrical apparatus</li> <li>└ UETTDRI52 Install and maintain poles, structures and associated hardware</li> <li>└ UETTDRI54 Install and maintain poles, structures and overhead conductors and cables</li> </ul>	
UETTDRT22	Maintain traction overhead wiring systems	60
	Common Unit Group	
	<ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</li> <li>└ UEENEEE104A Solve problems in d.c. circuits</li> <li>└ UEENEEE105A Fix and secure electrotechnology equipment</li> <li>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UETTDREL11 Apply sustainable energy and environmental procedures</li> <li>└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus</li> <li>└ UETTDREL16 Working safely near live electrical apparatus</li> <li>└ UETTDRI52 Install and maintain poles, structures and associated hardware</li> <li>└ UETTDRI54 Install and maintain poles, structures and overhead conductors and cables</li> <li>└ UETTDRT21 Install traction overhead wiring systems</li> </ul>	
UETTDRT23	Install rail traction bonds	40
	Common Unit Group	
	<ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and</li> </ul>	

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

UETTDRT24 Maintain rail traction bonds 50

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

└ UETTDRLS52 Install and maintain poles, structures and associated hardware

└ UETTDRLS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDRLT21 Install traction overhead wiring systems

└ UETTDRLT22 Maintain traction overhead wiring systems

└ UETTDRLT23 Install rail traction bonds

└ UETTDRLT27 Install overhead traction components and equipment

└ UETTDRLT28 Maintain overhead traction components and equipment

UETTDRLT25 Install overhead rail traction configurations 50

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

└ 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

UETTDRT26 Maintain overhead rail traction configurations 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

└ 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

└ UETTDRT25 Install overhead rail traction configurations

└ UETTDRT27 Install overhead traction components and equipment

└ UETTDRT28 Maintain overhead traction components and equipment

UETTDRT27 Install overhead traction components and equipment 50

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

## UETTDRT28 Maintain overhead traction components and 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

└ UETTDRI52 Install and maintain poles, structures and associated hardware

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

└ UETTDRT27 Install overhead traction components and equipment

## UETTDRT29 Operate rail road traction height access equipment 20

### 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

	<ul style="list-style-type: none"> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UETTDREL11 Apply sustainable energy and environmental procedures</li> <li>└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus</li> <li>└ UETTDREL16 Working safely near live electrical apparatus</li> <li>└ UETTDRI52 Install and maintain poles, structures and associated hardware</li> <li>└ UETTDRI54 Install and maintain poles, structures and overhead conductors and cables</li> <li>└ UETTDRT21 Install traction overhead wiring systems</li> <li>└ UETTDRT22 Maintain traction overhead wiring systems</li> <li>└ UETTDRT27 Install overhead traction components and equipment</li> <li>└ UETTDRT28 Maintain overhead traction components and equipment</li> </ul>	
UETTDRT30	Perform to a given schedule rail traction switching operations  Common Unit Group  <ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</li> <li>└ UEENEEE104A Solve problems in d.c. circuits</li> <li>└ UEENEEE105A Fix and secure electrotechnology equipment</li> <li>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UETTDREL11 Apply sustainable energy and</li> </ul>	50



	environmental procedures	
	└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus	
	└ UETTDREL16 Working safely near live electrical apparatus	
	└ UETTDRLS52 Install and maintain poles, structures and associated hardware	
	└ UETTDRLS54 Install and maintain poles, structures and overhead conductors and cables	
	└ UETTDRT21 Install traction overhead wiring systems	
	└ UETTDRT22 Maintain traction overhead wiring systems	
	└ UETTDRT27 Install overhead traction components and equipment	
	└ UETTDRT28 Maintain overhead traction components and equipment	
UETTDRT99	Test and verify rail traction 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	
	└ 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	
	└ UETTDRLS52 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

└ UETTDRT27 Install overhead traction components and equipment

└ UETTDRT28 Maintain overhead traction components and equipment

UETDRSB39 Perform power system substation 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

└ UETTD RTP27 Maintain transmission structures and 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 REL11 Apply sustainable energy and environmental procedures

└ UETTD REL12 Operate plant and equipment near live electrical conductors and 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

#### Rail Traction Pathway Group

└ UETTD REL11 Apply sustainable energy and environmental procedures

└ UETTD REL12 Operate plant and equipment near live electrical conductors and apparatus

└ 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

└ 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

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

UETTDRT26 Install transmission structures and associated hardware 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

UETTD RTP27 Maintain transmission structures and associated hardware 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

└ UETTD RTP26 Install transmission structures and associated hardware

UETTD RTP29 Install and maintain transmission 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	
	└ UETTD RTP26 Install transmission structures and associated hardware	
	└ UETTD RTP27 Maintain transmission structures and associated hardware	
UETTD RTP30	Inspect transmission overhead structures and electrical apparatus	40
	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	
	└ UETTDREL11 Apply sustainable energy and environmental procedures	
	└ UETTDREL16 Working safely near live electrical apparatus	
UETTD RTP99	Test and verify transmission 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	
	└ 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	
	└ UETTDRLS54 Install and maintain poles, structures and overhead conductors and cables	
	└ UETTDRTTP26 Install transmission structures and associated hardware	
	└ UETTDRTTP27 Maintain transmission structures and associated hardware	
	└ UETTDRTTP29 Install and maintain transmission overhead conductors and cables	
	└ UETTDRTTP30 Inspect transmission overhead structures and electrical apparatus	
UETTDRCV29	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	
	└ UETTDRLS52 Install and maintain poles, structures and associated hardware	
	└ UETTDRLS54 Install and maintain poles, structures	

and overhead conductors and cables

### Group C: Qualification elective units

### Weighting Points

UETTDRCJ29	Install gas and oil filled specialised underground 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	
	└ 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	
	└ UETTDRCJ21 Lay ESI electrical cables	
	└ UETTDRCJ23 Install and maintain de-energised high voltage underground paper insulated cables	
	└ UETTDRCJ26 Install and maintain de-energised low voltage underground polymeric cables	
	└ UETTDRCJ27 Install and maintain de-energised high voltage underground polymeric cables	
	└ UETTDRCJ99 Test and verify distribution cable jointing installations	
	└ 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	
	└ UETTDRI41 Install network infrastructure electrical equipment	
	└ UETTDRI42 Maintain network infrastructure electrical equipment	
	└ UETTDRI55 Install and maintain low voltage	



underground services

UETTDRCJ30	Maintain gas and oil filled specialised underground 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	
	└ 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	
	└ UETTDRCJ21 Lay ESI electrical cables	
	└ UETTDRCJ23 Install and maintain de-energised high voltage underground paper insulated cables	
	└ UETTDRCJ26 Install and maintain de-energised low voltage underground polymeric cables	
	└ UETTDRCJ27 Install and maintain de-energised high voltage underground polymeric cables	
	└ UETTDRCJ29 Install gas and oil filled specialised underground cables	
	└ UETTDRCJ99 Test and verify distribution cable jointing installations	
	└ 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	
	└ UETTDRI41 Install network infrastructure electrical equipment	
	└ UETTDRI42 Maintain network infrastructure electrical equipment	

	└ UETTDRI55 Install and maintain low voltage underground services	
UETTDRCJ31	Install and maintain polymeric specialised underground cables	65
	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	
	└ UETTDRCJ21 Lay ESI electrical cables	
	└ UETTDRCJ23 Install and maintain de-energised high voltage underground paper insulated cables	
	└ UETTDRCJ26 Install and maintain de-energised low voltage underground polymeric cables	
	└ UETTDRCJ27 Install and maintain de-energised high voltage underground polymeric cables	
	└ UETTDRCJ99 Test and verify distribution cable jointing installations	
	└ 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	
	└ UETTDRI541 Install network infrastructure electrical equipment	
	└ UETTDRI542 Maintain network infrastructure electrical equipment	
	└ UETTDRI55 Install and maintain low voltage underground services	

UETTDRCJ32	<p>Install and maintain gas and oil pressure systems for specialised underground cables</p> <p>Common Unit Group</p> <p>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</p> <p>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</p> <p>└ UEENEEE104A Solve problems in d.c. circuits</p> <p>└ UEENEEE105A Fix and secure electrotechnology equipment</p> <p>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</p> <p>└ UEENEEG102A Solve problems in low voltage a.c. circuits</p> <p>└ UETTDRCJ21 Lay ESI electrical cables</p> <p>└ UETTDRCJ23 Install and maintain de-energised high voltage underground paper insulated cables</p> <p>└ UETTDRCJ26 Install and maintain de-energised low voltage underground polymeric cables</p> <p>└ UETTDRCJ27 Install and maintain de-energised high voltage underground polymeric cables</p> <p>└ UETTDRCJ99 Test and verify distribution cable jointing installations</p> <p>└ UETTDREL11 Apply sustainable energy and environmental procedures</p> <p>└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus</p> <p>└ UETTDREL16 Working safely near live electrical apparatus</p> <p>└ UETTDRI41 Install network infrastructure electrical equipment</p> <p>└ UETTDRI42 Maintain network infrastructure electrical equipment</p> <p>└ UETTDRI55 Install and maintain low voltage underground services</p>	65
UETTDROP13	Maintain energised HV distribution overhead electrical	70

apparatus (stick)

### Pathway 1

Qualified and Authorised Distribution Line Worker

### Pathway 2

└ BSBLDR403 Lead team effectiveness

└ 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 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 RIS65 Contribute to coordinated HV live working

UETTD RDP14 Maintain energised HV distribution overhead electrical apparatus (glove) 70

## Pathway 1

Qualified and Authorised Distribution Line Worker

## Pathway 2

└ BSBLDR403 Lead team effectiveness

└ 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

└ UETDRDP11 Inspect overhead poles-structures and electrical apparatus

└ UETDRDP12 Maintain overhead energised low voltage conductors and cables

└ UETDREL11 Apply sustainable energy and environmental procedures

└ UETDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETDREL16 Working safely near live electrical apparatus

└ UETDRIS42 Maintain network infrastructure electrical equipment

└ UETDRIS52 Install and maintain poles, structures and associated hardware

└ UETDRIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETDRIS65 Contribute to coordinated HV live working

UETDRDS31	Draft and layout a power system overhead distribution extension	60
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Common Unit Group

	<ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</li> <li>└ UEENEEE104A Solve problems in d.c. circuits</li> <li>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UETTDREL11 Apply sustainable energy and environmental procedures</li> <li>└ UETTDREL16 Working safely near live electrical apparatus</li> <li>└ UETTDRLS62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs</li> <li>└ UETTDRLS63 Implement &amp; monitor power system environmental &amp; sustainable energy management policies &amp; procedures</li> </ul>	
UETTDRLS32	<p>Draft and layout a power system underground distribution extension</p> <p>Common Unit Group</p> <ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</li> <li>└ UEENEEE104A Solve problems in d.c. circuits</li> <li>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UETTDREL11 Apply sustainable energy and environmental procedures</li> <li>└ UETTDREL16 Working safely near live electrical apparatus</li> </ul>	60

	<ul style="list-style-type: none"> <li>└ UETTDNIS62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs</li> <li>└ UETTDNIS63 Implement &amp; monitor power system environmental &amp; sustainable energy management policies &amp; procedures</li> </ul>	
UETTDNIS33	<p>Draft and layout a power system street lighting system</p> <p>Common Unit Group</p> <ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</li> <li>└ UEENEEE104A Solve problems in d.c. circuits</li> <li>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UETTDREL11 Apply sustainable energy and environmental procedures</li> <li>└ UETTDREL16 Working safely near live electrical apparatus</li> <li>└ UETTDNIS62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs</li> <li>└ UETTDNIS63 Implement &amp; monitor power system environmental &amp; sustainable energy management policies &amp; procedures</li> </ul>	60
UETTDNIS34	<p>Draft and layout a power system distribution substation minor upgrade</p> <p>Common Unit Group</p> <ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</li> <li>└ UEENEEE104A Solve problems in d.c. circuits</li> <li>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li> </ul>	60

	<ul style="list-style-type: none"> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UETTDREL11 Apply sustainable energy and environmental procedures</li> <li>└ UETTDREL16 Working safely near live electrical apparatus</li> <li>└ UETTDRI62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs</li> <li>└ UETTDRI63 Implement &amp; monitor power system environmental &amp; sustainable energy management policies &amp; procedures</li> </ul>	
UETTDRI48	<p>Develop high voltage switching schedule</p> <p>Electrical</p> <p>Common Unit Group</p> <ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</li> <li>└ UEENEEE104A Solve problems in d.c. circuits</li> <li>└ UEENEEE105A Fix and secure electrotechnology equipment</li> <li>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UETTDREL16 Working safely near live electrical apparatus</li> <li>└ UETTDRI44 Perform HV field switching operation to a given schedule</li> </ul> <p>Transmission Overhead Pathway Group</p> <ul style="list-style-type: none"> <li>└ UETTDREL11 Apply sustainable energy and environmental procedures</li> <li>└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus</li> </ul>	60



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

└ UETTDNRTP26 Install transmission structures and associated hardware

└ UETTDNRTP27 Maintain transmission structures and associated hardware

└ UETTDNRTP29 Install and maintain transmission overhead conductors and cables

#### Distribution Overhead Pathway Group

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDNRDP12 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

└ UETTDNRRT21 Install traction overhead wiring systems

└ UETTDNRRT22 Maintain traction overhead wiring systems

└ UETTDNRRT23 Install rail traction bonds

└ UETDRRT27 Install overhead traction components and equipment

└ UETDRRT28 Maintain overhead traction components and equipment

#### Distribution Cable Jointing Pathway Group

└ UETDRCJ21 Lay ESI electrical cables

└ UETDRCJ26 Install and maintain de-energised low voltage underground polymeric cables

└ UETDRCJ27 Install and maintain de-energised high voltage underground polymeric cables

└ UETDREL11 Apply sustainable energy and environmental procedures

└ UETDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETDRIS41 Install network infrastructure electrical equipment

└ UETDRIS42 Maintain network infrastructure electrical equipment

└ UETDRIS55 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

└ UETDRIS67 Solve problems in energy supply

## network equipment

UETTDNIS49	Develop low voltage switching schedule	90
	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	
	└ UETTDNIS43 Perform low voltage field switching operation to a given schedule	
	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	
	└ UETTDRTTP26 Install transmission structures and associated hardware	
	└ UETTDRTTP27 Maintain transmission structures and associated hardware	
	└ UETTDRTTP29 Install and maintain transmission overhead conductors and cables	
	Distribution Overhead Pathway Group	
	└ UETTDREL11 Apply sustainable energy and environmental procedures	

- └ UETTD RDP12 Maintain overhead energised low voltage conductors and cables
- └ UETTD REL12 Operate plant and equipment near live electrical conductors and 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

#### Rail Traction Pathway Group

- └ UETTD REL11 Apply sustainable energy and environmental procedures
- └ UETTD REL12 Operate plant and equipment near live electrical conductors and apparatus
- └ 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 REL11 Apply sustainable energy and environmental procedures
- └ UETTD RRCJ21 Lay ESI electrical cables
- └ UETTD RRCJ26 Install and maintain de-energised low voltage underground polymeric cables
- └ UETTD RRCJ27 Install and maintain de-energised high

voltage underground polymeric cables

└ 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 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

└ UETTDNIS67 Solve problems in energy supply network equipment

UETTDNIS50      Coordinate power system permit procedures      60  
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

└ UETTDNIS44 Perform HV field switching operation to a given schedule

└ 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

└ 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

└ UETTDNIS43 Perform low voltage field switching operation to a given schedule

└ 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

└ UETTDRT30 Perform to a given schedule rail traction switching operations

#### 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

└ UETTDNIS43 Perform low voltage field switching

operation to a given schedule

└ 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

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

UETTDRI51      Coordinate and direct power system switching schedules      60

#### 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

└ UETTDNIS44 Perform HV field switching operation to a given schedule

└ 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

└ 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

└ UETTDNIS43 Perform low voltage field switching operation to a given schedule

└ 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
- └ UETTDNRT30 Perform to a given schedule rail traction switching operations

### 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
- └ UETTDNIS43 Perform low voltage field switching operation to a given schedule
- └ UETTDNIS55 Install and maintain low voltage underground services

### Electrical Pathway Group

	<ul style="list-style-type: none"> <li>└ UEENEEE137A Document and apply measures to control OHS risks associated with electrotechnology work</li> <li>└ UEENEEG006A Solve problems in single and three phase low voltage machines</li> <li>└ UEENEEG033A Solve problems in single and three phase low voltage electrical apparatus and circuits</li> <li>└ UEENEEG063A Arrange circuits, control and protection for general electrical installations</li> <li>└ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits</li> <li>└ UEENEEG108A Trouble-shoot and repair faults in low voltage electrical apparatus and circuits</li> <li>└ UEENEEG109A Develop and connect electrical control circuits</li> <li>└ UEENEEK142A Apply environmentally and sustainable procedures in the energy sector</li> <li>└ UETTDRI67 Solve problems in energy supply network equipment</li> <li>└ UETTDRI39 Perform power system substation switching operation to a given schedule</li> </ul>	
UETTDRI64	<p>Install mobile generation set for synchronised HV Genset</p> <p>Electrical</p> <p>Common Unit Group</p> <ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</li> <li>└ UEENEEE104A Solve problems in d.c. circuits</li> <li>└ UEENEEE105A Fix and secure electrotechnology equipment</li> <li>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UETTDREL16 Working safely near live electrical</li> </ul>	40

## apparatus

### Transmission Overhead Pathway Group

- └ UETTDREL11 Apply sustainable energy and environmental procedures
- └ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus
- └ UETTDNIS44 Perform HV field switching operation to a given schedule
- └ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables
- └ UETTDRTTP26 Install transmission structures and associated hardware
- └ UETTDRTTP27 Maintain transmission structures and associated hardware
- └ UETTDRTTP29 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
- └ UETTDNIS43 Perform low voltage field switching operation to a given schedule
- └ 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

└ UETTDNRRT30 Perform to a given schedule rail traction switching operations

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

└ UETTDNREL11 Apply sustainable energy and environmental procedures

└ UETTDNREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDNIS41 Install network infrastructure electrical equipment

└ UETTDNIS42 Maintain network infrastructure electrical equipment

└ UETTDNIS43 Perform low voltage field switching operation to a given schedule

└ UETTDNIS55 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

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

UETTDRI65	Contribute to coordinated HV live working	50
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UETTDRT31	Maintain energised d.c. traction overhead wiring system	60
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Pathway 1

Qualified and Authorised Rail Traction Line Worker

Pathway 2

└ BSBLDR403 Lead team effectiveness

└ 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

└ UETTDRIS52 Install and maintain poles, structures and associated hardware

└ UETTDRIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDRIS65 Contribute to coordinated HV live working

└ UETTDRRT21 Install traction overhead wiring systems

└ UETTDRRT22 Maintain traction overhead wiring systems

└ UETTDRRT23 Install rail traction bonds

└ UETTDRRT25 Install overhead rail traction configurations

└ UETTDRRT26 Maintain overhead rail traction configurations

└ UETTDRRT27 Install overhead traction components and equipment

└ UETTDRRT28 Maintain overhead traction components and equipment

└ UETTDRRT29 Operate rail road traction height access equipment

└ UETTDRRT99 Test and verify rail traction installations

UETTDRRT32	Maintain energised traction overhead electrical apparatus using stick techniques	70
	Pathway 1	
	Qualified and Authorised Rail Traction Line Worker	
	Pathway 2	
	└ BSBLDR403 Lead team effectiveness	
	└ 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
- └ UETTD RIS52 Install and maintain poles, structures and associated hardware
- └ UETTD RIS54 Install and maintain poles, structures and overhead conductors and cables
- └ UETTD RIS65 Contribute to coordinated HV live working
- └ UETTD RRT21 Install traction overhead wiring systems
- └ UETTD RRT22 Maintain traction overhead wiring systems
- └ UETTD RRT23 Install rail traction bonds
- └ UETTD RRT25 Install overhead rail traction configurations
- └ UETTD RRT26 Maintain overhead rail traction configurations
- └ UETTD RRT27 Install overhead traction components and equipment
- └ UETTD RRT28 Maintain overhead traction components and equipment
- └ UETTD RRT29 Operate rail road traction height access equipment
- └ UETTD RRT31 Maintain energised d.c. traction overhead wiring system
- └ UETTD RRT99 Test and verify rail traction



installations

UETTDRT33	Maintain energised traction overhead electrical apparatus using glove techniques	70
	Pathway 1	
	Qualified and Authorised Rail Traction Lineworker	
	Pathway 2	
	└ BSBLDR403 Lead team effectiveness	
	└ 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	
	└ UETTDRLS52 Install and maintain poles, structures and associated hardware	
	└ UETTDRLS54 Install and maintain poles, structures and overhead conductors and cables	
	└ UETTDRLS65 Contribute to coordinated HV live working	
	└ UETTDRT21 Install traction overhead wiring systems	
	└ UETTDRT22 Maintain traction overhead wiring systems	
	└ UETTDRT23 Install rail traction bonds	

- └ UETDRRT25 Install overhead rail traction configurations
- └ UETDRRT26 Maintain overhead rail traction configurations
- └ UETDRRT27 Install overhead traction components and equipment
- └ UETDRRT28 Maintain overhead traction components and equipment
- └ UETDRRT29 Operate rail road traction height access equipment
- └ UETDRRT31 Maintain energised d.c. traction overhead wiring system
- └ UETDRRT99 Test and verify rail traction installations

UETDRTP31 Maintain energised transmission lines using high voltage live work stick method 70

Pathway 1

Certificate III Transmission Overhead Powerline Worker or a qualified Transmission Powerline Worker.

Pathway 2

- └ BSBLDR403 Lead team effectiveness
- └ 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
- └ UETDREL11 Apply sustainable energy and environmental procedures
- └ UETDREL12 Operate plant and equipment near live electrical conductors and apparatus
- └ UETDREL16 Working safely near live electrical

apparatus

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

└ UETTDRI65 Contribute to coordinated HV live working

└ 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

└ UETTDRT99 Test and verify transmission overhead installations

UETTDRT32 Maintain energised transmission lines using high voltage live work bare hand method 70

Pathway 1

Qualified and Authorised Transmission Line Worker

Pathway 2

└ BSBLDR403 Lead team effectiveness

└ 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

	<ul style="list-style-type: none"> <li>└ UETTDREL16 Working safely near live electrical apparatus</li> <li>└ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables</li> <li>└ UETTDNIS65 Contribute to coordinated HV live working</li> <li>└ UETTDRTTP26 Install transmission structures and associated hardware</li> <li>└ UETTDRTTP27 Maintain transmission structures and associated hardware</li> <li>└ UETTDRTTP29 Install and maintain transmission overhead conductors and cables</li> <li>└ UETTDRTTP30 Inspect transmission overhead structures and electrical apparatus</li> <li>└ UETTDRTTP31 Maintain energised transmission lines using high voltage live work stick method</li> <li>└ UETTDRTTP99 Test and verify transmission overhead installations</li> </ul>	
UETTDRTTP33	<p>Maintain energised transmission lines using bare hand technique on a helicopter platform</p> <p>Pathway 1</p> <p>Qualified and Authorised Transmission Line Worker</p> <p>Pathway 2</p> <ul style="list-style-type: none"> <li>└ BSBLDR403 Lead team effectiveness</li> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEE102A Fabricate, assemble and dismantle utilities industry components</li> <li>└ UEENEEE104A Solve problems in d.c. circuits</li> <li>└ UEENEEE105A Fix and secure electrotechnology equipment</li> <li>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UETTDREL11 Apply sustainable energy and</li> </ul>	60

environmental procedures

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

└ UETTDREL16 Working safely near live electrical apparatus

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

└ UETTDNIS65 Contribute to coordinated HV live working

└ UETTDRTTP26 Install transmission structures and associated hardware

└ UETTDRTTP27 Maintain transmission structures and associated hardware

└ UETTDRTTP29 Install and maintain transmission overhead conductors and cables

└ UETTDRTTP30 Inspect transmission overhead structures and electrical apparatus

└ UETTDRTTP31 Maintain energised transmission lines using high voltage live work stick method

└ UETTDRTTP32 Maintain energised transmission lines using high voltage live work bare hand method

└ UETTDRTTP99 Test and verify transmission overhead installations

UETTDRCV30 Coordinate vegetation control operations 60

Common Unit Group

└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDREL16 Working safely near live electrical apparatus

└ UETTDNIS62 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs

└ UETTDNIS63 Implement & monitor power system environmental & sustainable energy management policies & procedures

## Qualification Mapping Information

This qualification replaces and is equivalent to UET40412 Certificate IV in ESI - Network Systems

## Links

Companion Volume Implementation Guides are found in VETNet -

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