



**Australian Government**

# **UET50321 Diploma of ESI - Power Systems Operations**

**Release 1**

# UET50321 Diploma of ESI - Power Systems Operations

## Modification History

Release 1. This is the first release of this qualification in the UET Transmission, Distribution and Rail Sector Training Package Release 2.0.

## Qualification Description

This qualification provides the skills and knowledge to work in the electricity supply industry (ESI) as a Power Systems Technical Officer, a High Voltage (HV) Substation Project Manager or a Senior Systems Operator.

This qualification covers designing new overhead and underground powerline systems, overseeing the construction of electrical substations and related projects. These roles may also manage personnel, the business aspects of projects and give specialist advice to deal with day-to-day issues and problems.

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

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

## Entry Requirements

There are no entry requirements for this qualification

## Packaging Rules

A total of **1600 weighting points** comprising:

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

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

Choose a total of **750 weighting points** elective units from the list below, of which between 0 and **270 weighting points** can be taken from Group A; between 0 and **360 weighting points** can be taken from Group B; between 0 and **200 weighting points** can be taken from Group C and between **190 and 750 weighting points** taken from Group D. You may select all your electives from this group.

**Up to 270 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.

<b>Core units</b>	<b>Weighting Points</b>
UEENEED104A Use engineering applications software on personal computers ⊥ UEENEEE101A Apply Occupational Health Safety regulations, codes and practices in the workplace	40
UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	20
UEENEEE104A Solve problems in d.c. circuits ⊥ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	80
UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications ⊥ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	40
UEENEEE124A Compile and produce an energy sector detailed report	60
UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits ⊥ UEENEEE126A Provide solutions to basic engineering computational problems	60
UEENEEE126A Provide solutions to basic engineering computational problems ⊥ UEENEEE029B Solve electrotechnical problems or ⊥ UEENEEG102A Solve problems in low voltage a.c. circuits or ⊥ UEENEEH014B Troubleshoot frequency dependent circuits	60
UEENEEG101A Solve problems in electromagnetic devices and related circuits ⊥ UEENEEE101A Apply Occupational Health and	60

	Safety regulations, codes and practices in the workplace	
	└ UEENEEE104A Solve problems in d.c. circuits	
UEENEEG102A	Solve problems in low voltage a.c. circuits	80
	└ 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	
UEENEEG149A	Provide engineering solutions to problems in complex polyphase power circuits	60
	└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits and	
	└ UEENEEG102A Solve problems in low voltage a.c. circuits	
UETDREL001	Apply environmental requirements	20
UETDREL005	Work safely in the vicinity of live electrical apparatus	20
UETDRIS005	Implement & monitor power system environmental & sustainable energy management policies & procedures	30
	Electrotechnology Pathway Unit Group	
	└ UEENEEK142A Apply environmentally and sustainable procedures in the energy sector	
	ESI - TDR Pathway Unit Group	
	└ UETDREL001 Apply environmental requirements	
UETDRIS006	Implement and monitor the power system organisational WHS/OHS policies, procedures and programs	30
	└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
	└ UETDREL005 Work safely in the vicinity of live electrical apparatus	
UETDREL15	Respond to power systems technical enquiries and requests	40
UETDRSO45	Operate and monitor system SCADA equipment	150
	Common Unit Group	

└ UETTDREL15 Respond to power systems technical enquiries and requests

<b>Group A: Imported and common elective units</b>		<b>Weighting Points</b>
BSBFIN501	Manage budgets and financial plans	70
BSBHRM523	Coordinate the learning and development of teams and individuals	60
BSBINS501	Implement information and knowledge management systems	50
BSBLDR522	Manage people performance	70
BSBOPS502	Manage business operational plans	60
BSBOPS505	Manage organisational customer service	40
BSBPEF501	Manage personal and professional development	60
BSBSTR501	Establish innovative work environments	50
BSBSTR502	Facilitate continuous improvement	60
BSBTWK502	Manage team effectiveness	60
BSBSUS511	Develop workplace policies and procedures for sustainability	50
TLIF2010	Apply fatigue management strategies	30
TLIF3063	Administer the implementation of fatigue management strategies	50
<b>Group B: Qualification elective units</b>		<b>Weighting Points</b>
UEENEEE102A	Fabricate, assemble and dismantle utilities industry components	40
	└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
UEENEEG006A	Solve problems in single and three phase low voltage machines	80
	└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	

	<ul style="list-style-type: none"> <li>└ UEENEEE102A Fabricate, dismantle, assemble of electrotechnology 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. circuit</li> <li>└ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits</li> </ul>	
UEENEEH102A	Repairs basic electronic apparatus faults by replacement of components	40
	<ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEE102A Fabricate, dismantle, assemble of utilities industry components</li> </ul>	
UEENEEH112A	Troubleshoot digital sub-systems	80
	<ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEH102A Repair basic electronic apparatus faults by replacement of components</li> </ul>	
UEENEEH139A	Troubleshoot basic amplifier circuits	40
	<ul style="list-style-type: none"> <li>└ UEENEEH102A Repair basic electronic apparatus faults by replacement of components</li> </ul> <p>AND</p> <ul style="list-style-type: none"> <li>└ UEENEEH114A Troubleshoot resonance circuits in an electronic apparatus</li> </ul> <p>OR</p> <ul style="list-style-type: none"> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> </ul>	
UETTDRIS67	Solve problems in energy supply network equipment	80
	<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> </ul>	

	<ul style="list-style-type: none"> <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>└ UEENEEG006A Solve problems in single and three phase low voltage machines</li> <li>└ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits</li> </ul>	
UETTDRIS68	<p>Solve problems in energy supply network protection equipment and systems</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>└ UEENEEG006A Solve problems in single and three phase low voltage machines</li> <li>└ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits</li> <li>└ UETTDRIS67 Solve problems in energy supply network equipment</li> </ul>	40

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

UEENEEI155A	Develop structured programs to control external devices └ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	40
UETDRDS008	Draft and layout a power system distribution substation minor upgrade └ 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 └ 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 └ UETDREL001 Apply environmental requirements └ UETDREL005 Work safely in the vicinity of live electrical apparatus └ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures └ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs	60
UETDRDS009	Draft and layout a power system overhead distribution extension └ 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 └ 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	60



- └ UETDREL001 Apply environmental requirements
  - └ UETDREL005 Work safely in the vicinity of live electrical apparatus
  - └ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures
  - └ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs
  
- UETDRDS010 Draft and layout a power system street lighting system 60
  - └ 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
  - └ 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
  - └ UETDREL001 Apply environmental requirements
  - └ UETDREL005 Work safely in the vicinity of live electrical apparatus
  - └ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures
  - └ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs
  
- UETDRDS011 Draft and layout a power system underground distribution extension 60
  - └ 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
  - └ 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
- └ UETDREL001 Apply environmental requirements
- └ UETDREL005 Work safely in the vicinity of live electrical apparatus
- └ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures
- └ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs

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

UETDRDS002	Design overhead distribution power systems 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 └ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications └ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits └ UEENEEE126A Provide solutions to basic engineering computational problems └ UEENEEG101A Solve problems in electromagnetic devices and related circuits └ UEENEEG102A Solve problems in low voltage a.c. circuits └ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits └ UETDREL001 Apply environmental requirements └ UETDREL005 Work safely in the vicinity of live electrical apparatus └ UETDRIS005 Implement & monitor power system environmental & sustainable energy management	140
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policies & procedures

└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs

Pathway Unit Group 1

└ UETDRDS013 Organise and implement ESI line and easement surveys

└ UETDRDS014 Prepare and manage detailed construction plans for electrical power system infrastructure

Pathway Unit Group 2

└ UETDRDS006 Develop high voltage and low voltage distribution protection systems

UETDRDS003 Design power system distribution substations 140

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

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

└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits

└ UEENEEE126A Provide solutions to basic engineering computational problems

└ UEENEEG101A Solve problems in electromagnetic devices and related circuits

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

└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits

└ UETDREL001 Apply environmental requirements

└ UETDREL005 Work safely in the vicinity of live electrical apparatus

└ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures

└ UETDRIS006 Implement and monitor the power

system organisational WHS/OHS policies, procedures and programs

#### Pathway Unit Group 1

└ UETDRDS013 Organise and implement ESI line and easement surveys

└ UETDRDS014 Prepare and manage detailed construction plans for electrical power system infrastructure

#### Pathway Unit Group 2

└ UETDRDS006 Develop high voltage and low voltage distribution protection systems

UETDRDS004 Design power system public lighting systems 140

#### 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

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

└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits

└ UEENEEE126A Provide solutions to basic engineering computational problems

└ UEENEEG101A Solve problems in electromagnetic devices and related circuits

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

└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits

└ UETDREL001 Apply environmental requirements

└ UETDREL005 Work safely in the vicinity of live electrical apparatus

└ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures

└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs

## Pathway Unit Group 1

└ UETDRDS013 Organise and implement ESI line and easement surveys

└ UETDRDS014 Prepare and manage detailed construction plans for electrical power system infrastructure

## Pathway Unit Group 2

└ UETDRDS006 Develop high voltage and low voltage distribution protection systems

UETDRDS005 Design underground distribution power systems 140

## 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

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

└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits

└ UEENEEE126A Provide solutions to basic engineering computational problems

└ UEENEEG101A Solve problems in electromagnetic devices and related circuits

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

└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits

└ UETDREL001 Apply environmental requirements

└ UETDREL005 Work safely in the vicinity of live electrical apparatus

└ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures

└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs

## Pathway Unit Group 1

└ UETDRDS013 Organise and implement ESI line and

	easement surveys	
	<ul style="list-style-type: none"> <li>└ UETDRDS014 Prepare and manage detailed construction plans for electrical power system infrastructure</li> </ul>	
	Pathway Unit Group 2	
	<ul style="list-style-type: none"> <li>└ UETDRDS006 Develop high voltage and low voltage distribution protection systems</li> </ul>	
UETDRDS006	Develop high voltage and low voltage distribution protection systems	150
	<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>└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits</li> <li>└ UEENEEE126A Provide solutions to basic engineering computational problems</li> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits</li> <li>└ UETDREL001 Apply environmental requirements</li> <li>└ UETDREL005 Work safely in the vicinity of live electrical apparatus</li> <li>└ UETDRIS005 Implement &amp; monitor power system environmental &amp; sustainable energy management policies &amp; procedures</li> <li>└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs</li> </ul>	
UETDRDS007	Develop planned power systems outage strategies	140
	<ul style="list-style-type: none"> <li>└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace</li> <li>└ UEENEEED104A Use engineering applications</li> </ul>	

	software on personal computers	
	└ UETDREL005 Work safely in the vicinity of live electrical apparatus	
	└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs	
UETDRDS012	Investigate quality of power systems supply issues	140
	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	
	└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits	
	└ UEENEEE126A Provide solutions to basic engineering computational problems	
	└ UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	└ UEENEEG102A Solve problems in low voltage a.c. circuits	
	└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits	
	└ UETDRDS002 Design overhead distribution power systems	
	└ UETDRDS005 Design underground distribution power systems	
	└ UETDREL001 Apply environmental requirements	
	└ UETDREL005 Work safely in the vicinity of live electrical apparatus	
	└ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures	
	└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs	
	Pathway Unit Group 1	

└ UETDRDS013 Organise and implement ESI line and easement surveys

└ UETDRDS014 Prepare and manage detailed construction plans for electrical power system infrastructure

Pathway Unit Group 2

└ UETDRDS006 Develop high voltage and low voltage distribution protection systems

UETDRDS013 Organise and implement ESI line and easement surveys 140

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

└ UEENEEE104A Solve problems in d.c. circuits

└ 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

└ UETDRDS014 Prepare and manage detailed construction plans for electrical power system infrastructure

└ UETDREL001 Apply environmental requirements

└ UETDREL005 Work safely in the vicinity of live electrical apparatus

└ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures

└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs

UETDRDS014 Prepare and manage detailed construction plans for electrical power system infrastructure 140

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

└ UEENEEE104A Solve problems in d.c. circuits

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

└ UEENEEG101A Solve problems in electromagnetic devices and related circuits



	<ul style="list-style-type: none"> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UETDREL001 Apply environmental requirements</li> <li>└ UETDREL005 Work safely in the vicinity of live electrical apparatus</li> <li>└ UETDRIS005 Implement &amp; monitor power system environmental &amp; sustainable energy management policies &amp; procedures</li> <li>└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs</li> </ul>	
UETDRSO001	<p>Coordinate high voltage distribution and sub-transmission networks</p> <ul style="list-style-type: none"> <li>└ UEENEEG104A Use engineering applications software on personal computers</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>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li> <li>└ UEENEEE124A Compile and produce an energy sector detailed report</li> <li>└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits</li> <li>└ UEENEEE126A Provide solutions to basic engineering computational problems</li> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits</li> <li>└ UETDREL001 Apply environmental requirements</li> <li>└ UETDREL005 Work safely in the vicinity of live electrical apparatus</li> <li>└ UETDRIS005 Implement &amp; monitor power system environmental &amp; sustainable energy management</li> </ul>	150

	policies & procedures	
	└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs	
	└ UETDRSO005 Develop high voltage distribution and sub-transmission switching programs	
UETDRSO002	Coordinate high voltage transmission network	150
	└ UEENEED104A Use engineering applications software on personal computers	
	└ 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	
	└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	└ UEENEEE124A Compile and produce an energy sector detailed report	
	└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits	
	└ UEENEEE126A Provide solutions to basic engineering computational problems	
	└ UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	└ UEENEEG102A Solve problems in low voltage a.c. circuits	
	└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits	
	└ UETDREL001 Apply environmental requirements	
	└ UETDREL005 Work safely in the vicinity of live electrical apparatus	
	└ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures	
	└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs	
	└ UETDRSO004 Develop and evaluate power systems transmission switching programs	

UETDRSO003	Coordinate power system operations in a regulated energy market	150
	Common Unit Group	
	└ UEENEED104A Use engineering applications software on personal computers	
	└ 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	
	└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	└ UEENEEE124A Compile and produce an energy sector detailed report	
	└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits	
	└ UEENEEE126A Provide solutions to basic engineering computational problems	
	└ UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	└ UEENEEG102A Solve problems in low voltage a.c. circuits	
	└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits	
	└ UETDREL001 Apply environmental requirements	
	└ UETDREL005 Work safely in the vicinity of live electrical apparatus	
	└ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures	
	└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs	
	Distribution and Sub-transmission Pathway Unit Group	
	└ UETDRSO001 Coordinate high voltage distribution and sub-transmission networks	
	└ UETDRSO005 Develop high voltage distribution and sub-transmission switching programs	
	Transmission Pathway Unit Group	

	<ul style="list-style-type: none"> <li>└ UETDRSO002 Coordinate high voltage transmission network</li> <li>└ UETDRSO004 Develop and evaluate power systems transmission switching programs</li> </ul>	
UETDRSO004	<p>Develop and evaluate power systems transmission switching programs</p> <ul style="list-style-type: none"> <li>└ UEENEED104A Use engineering applications software on personal computers</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>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li> <li>└ UEENEEE124A Compile and produce an energy sector detailed report</li> <li>└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits</li> <li>└ UEENEEE126A Provide solutions to basic engineering computational problems</li> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits</li> <li>└ UETDREL001 Apply environmental requirements</li> <li>└ UETDREL005 Work safely in the vicinity of live electrical apparatus</li> <li>└ UETDRIS005 Implement &amp; monitor power system environmental &amp; sustainable energy management policies &amp; procedures</li> <li>└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs</li> </ul>	150
UETDRSO005	<p>Develop high voltage distribution and sub-transmission switching programs</p> <ul style="list-style-type: none"> <li>└ UEENEED104A Use engineering applications</li> </ul>	150

software on personal computers

└ 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

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

└ UEENEEE124A Compile and produce an energy sector detailed report

└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits

└ UEENEEE126A Provide solutions to basic engineering computational problems

└ UEENEEG101A Solve problems in electromagnetic devices and related circuits

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

└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits

└ UETDREL001 Apply environmental requirements

└ UETDREL005 Work safely in the vicinity of live electrical apparatus

└ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures

└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs

UETDRSO006 Develop low voltage distribution switching programs 150

└ UEENEEED104A Use engineering applications software on personal computers

└ 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

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

	<ul style="list-style-type: none"> <li>└ UEENEEE124A Compile and produce an energy sector detailed report</li> <li>└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits</li> <li>└ UEENEEE126A Provide solutions to basic engineering computational problems</li> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits</li> <li>└ UETDREL001 Apply environmental requirements</li> <li>└ UETDREL005 Work safely in the vicinity of live electrical apparatus</li> <li>└ UETDRIS005 Implement &amp; monitor power system environmental &amp; sustainable energy management policies &amp; procedures</li> <li>└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs</li> </ul>	
UETDRSO011	<p>Respond to discrete and interdependent protection operations</p> <p>Common Unit Group</p> <ul style="list-style-type: none"> <li>└ UEENEEED104A Use engineering applications software on personal computers</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>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li> <li>└ UEENEEE124A Compile and produce an energy sector detailed report</li> <li>└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits</li> <li>└ UEENEEE126A Provide solutions to basic engineering computational problems</li> </ul>	150

└ UEENEEG101A Solve problems in electromagnetic devices and related circuits

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

└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits

└ UETDREL001 Apply environmental requirements

└ UETDREL005 Work safely in the vicinity of live electrical apparatus

└ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures

└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs

Distribution and Sub-transmission Pathway Unit Group

└ UETDRSO001 Coordinate high voltage distribution and sub-transmission networks

└ UETDRSO005 Develop high voltage distribution and sub-transmission switching programs

Transmission Pathway Unit Group

└ UETDRSO002 Coordinate high voltage transmission network

└ UETDRSO004 Develop and evaluate power systems transmission switching programs

UETDRTS004 Commission interdependent network protection and control systems 150

└ UEENEEED104A Use engineering applications software on personal computers

└ 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

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

└ UEENEEEE124A Compile and produce an energy sector detailed report

└ UEENEEEE125A Provide engineering solutions for

problems in complex multiple path circuits

└ UEENEEE126A Provide solutions to basic engineering computational problems

└ UEENEEG101A Solve problems in electromagnetic devices and related circuits

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

└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits

└ UETDREL001 Apply environmental requirements

└ UETDREL005 Work safely in the vicinity of live electrical apparatus

└ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures

└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs

└ UETDRTS010 Develop power systems secondary isolation instructional documents

└ UETDRTS017 Maintain interdependent network protection and control systems

UETDRTS005 Commission power systems metering schemes 150

└ UEENEEED104A Use engineering applications software on personal computers

└ 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

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

└ UEENEEE124A Compile and produce an energy sector detailed report

└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits

└ UEENEEE126A Provide solutions to basic engineering computational problems

└ UEENEEG101A Solve problems in electromagnetic



devices and related circuits

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

└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits

└ UETDREL001 Apply environmental requirements

└ UETDREL005 Work safely in the vicinity of live electrical apparatus

└ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures

└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs

└ UETDRTS010 Develop power systems secondary isolation instructional documents

└ UETDRTS014 Maintain and test and metering schemes

UETDRTS010 Develop power systems secondary isolation instructional documents 150

└ UEENEED104A Use engineering applications software on personal computers

└ 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

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

└ UEENEEE124A Compile and produce an energy sector detailed report

└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits

└ UEENEEE126A Provide solutions to basic engineering computational problems

└ UEENEEG101A Solve problems in electromagnetic devices and related circuits

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

	<ul style="list-style-type: none"><li>└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits</li><li>└ UETDREL001 Apply environmental requirements</li><li>└ UETDREL005 Work safely in the vicinity of live electrical apparatus</li><li>└ UETDRIS005 Implement &amp; monitor power system environmental &amp; sustainable energy management policies &amp; procedures</li><li>└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs</li></ul>	
UETDRTS011	Install and maintain power system communication equipment	150
	<ul style="list-style-type: none"><li>└ UEENEEG104A Use engineering applications software on personal computers</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>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</li><li>└ UEENEEE124A Compile and produce an energy sector detailed report</li><li>└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits</li><li>└ UEENEEE126A Provide solutions to basic engineering computational problems</li><li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li><li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li><li>└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits</li><li>└ UETDREL001 Apply environmental requirements</li><li>└ UETDREL005 Work safely in the vicinity of live electrical apparatus</li><li>└ UETDRIS005 Implement &amp; monitor power system environmental &amp; sustainable energy management</li></ul>	

	<p>policies &amp; procedures</p> <p>└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs</p>	
UETDRTS014	<p>Maintain and test and metering schemes</p> <p>└ UEENEED104A Use engineering applications software on personal computers</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>└ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>└ UEENEEE124A Compile and produce an energy sector detailed report</p> <p>└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits</p> <p>└ UEENEEE126A Provide solutions to basic engineering computational problems</p> <p>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</p> <p>└ UEENEEG102A Solve problems in low voltage a.c. circuits</p> <p>└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits</p> <p>└ UETDREL001 Apply environmental requirements</p> <p>└ UETDREL005 Work safely in the vicinity of live electrical apparatus</p> <p>└ UETDRIS005 Implement &amp; monitor power system environmental &amp; sustainable energy management policies &amp; procedures</p> <p>└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs</p> <p>└ UETDRTS010 Develop power systems secondary isolation instructional documents</p>	140
UETDRTS015	<p>Maintain complex network protection and control systems</p>	180

- └ UEENEED104A Use engineering applications software on personal computers
- └ 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
- └ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications
- └ UEENEEE124A Compile and produce an energy sector detailed report
- └ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits
- └ UEENEEE126A Provide solutions to basic engineering computational problems
- └ UEENEEG101A Solve problems in electromagnetic devices and related circuits
- └ UEENEEG102A Solve problems in low voltage a.c. circuits
- └ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits
- └ UETDREL001 Apply environmental requirements
- └ UETDREL005 Work safely in the vicinity of live electrical apparatus
- └ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures
- └ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs
- └ UETDRTS017 Maintain interdependent network protection and control systems
- └ UETDRTS010 Develop power systems secondary isolation instructional documents

UETDRTS017 Maintain interdependent network protection and control systems 150

- └ UEENEED104A Use engineering applications software on personal computers
- └ 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

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

└ UEENEEE124A Compile and produce an energy sector detailed report

└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits

└ UEENEEE126A Provide solutions to basic engineering computational problems

└ UEENEEG101A Solve problems in electromagnetic devices and related circuits

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

└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits

└ UETDREL001 Apply environmental requirements

└ UETDREL005 Work safely in the vicinity of live electrical apparatus

└ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures

└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs

└ UETDRTS010 Develop power systems secondary isolation instructional documents

UETDRTS018 Maintain, test and commission power systems voltage regulating equipment 150

└ UEENEEED104A Use engineering applications software on personal computers

└ 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

└ UEENEEE107A Use drawings, diagrams, schedules,

standards, codes and specifications

└ UEENEEE124A Compile and produce an energy sector detailed report

└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits

└ UEENEEE126A Provide solutions to basic engineering computational problems

└ UEENEEG101A Solve problems in electromagnetic devices and related circuits

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

└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits

└ UETDREL001 Apply environmental requirements

└ UETDREL005 Work safely in the vicinity of live electrical apparatus

└ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures

└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs

UETDRTS021 Perform accuracy checks on power systems instrument transformers 150

└ UEENEEED104A Use engineering applications software on personal computers

└ 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

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

└ UEENEEE124A Compile and produce an energy sector detailed report

└ UEENEEE125A Provide engineering solutions for problems in complex multiple path circuits

└ UEENEEE126A Provide solutions to basic engineering computational problems

	<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>└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits</li> <li>└ UETDREL001 Apply environmental requirements</li> <li>└ UETDREL005 Work safely in the vicinity of live electrical apparatus</li> <li>└ UETDRIS005 Implement &amp; monitor power system environmental &amp; sustainable energy management policies &amp; procedures</li> <li>└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs</li> </ul>	
UETDRTS023	Repair, test and calibrate protection relays and meters <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>└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits</li> <li>└ UETDREL001 Apply environmental requirements</li> <li>└ UETDREL005 Work safely in the vicinity of live electrical apparatus</li> <li>└ UETDRIS005 Implement &amp; monitor power system environmental &amp; sustainable energy management policies &amp; procedures</li> <li>└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs</li> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits</li> <li>└ UETDREL001 Apply environmental requirements</li> <li>└ UETDREL005 Work safely in the vicinity of live</li> </ul>	150
	<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>└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits</li> <li>└ UETDREL001 Apply environmental requirements</li> <li>└ UETDREL005 Work safely in the vicinity of live electrical apparatus</li> <li>└ UETDRIS005 Implement &amp; monitor power system environmental &amp; sustainable energy management policies &amp; procedures</li> <li>└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs</li> <li>└ UEENEEG101A Solve problems in electromagnetic devices and related circuits</li> <li>└ UEENEEG102A Solve problems in low voltage a.c. circuits</li> <li>└ UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits</li> <li>└ UETDREL001 Apply environmental requirements</li> <li>└ UETDREL005 Work safely in the vicinity of live electrical apparatus</li> </ul>	

electrical apparatus

└ UETDRIS005 Implement & monitor power system environmental & sustainable energy management policies & procedures

└ UETDRIS006 Implement and monitor the power system organisational WHS/OHS policies, procedures and programs

UETTDRIS69 Diagnose and rectify faults in energy supply apparatus 60

└ 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

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

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

└ UETTDRIS67 Solve problems in energy supply network equipment

└ UETTDRIS68 Solve problems in energy supply network protection equipment and systems

UETTDRIS70 Diagnose and rectify faults in electrical energy distribution systems 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

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

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

└ UETTDRIS67 Solve problems in energy supply network equipment

└ UETTDRIS68 Solve problems in energy supply network protection equipment and systems

└ UETTDRIS69 Diagnose and rectify faults in energy supply apparatus

UETTDRIS71 Diagnose and rectify faults in electrical energy supply transmission systems 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

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

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

└ UETTDRIS67 Solve problems in energy supply network equipment

	<ul style="list-style-type: none"> <li>└ UETTDRIS68 Solve problems in energy supply network protection equipment and systems</li> <li>└ UETTDRIS69 Diagnose and rectify faults in energy supply apparatus</li> </ul>	
UETTDRIS72	<p>Diagnose and rectify faults in distributed generation systems</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>└ UEENEEG006A Solve problems in single and three phase low voltage machines</li> <li>└ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits</li> <li>└ UETTDRIS67 Solve problems in energy supply network equipment</li> <li>└ UETTDRIS68 Solve problems in energy supply network protection equipment and systems</li> <li>└ UETTDRIS69 Diagnose and rectify faults in energy supply apparatus</li> </ul>	60
UETTDRSO46	<p>Monitor and control the field staff activities</p> <p>To minimise incidents related to safe systems of work, entry into this unit requires at a minimum that an individual has demonstrated or possesses relevant technical engineering discipline competencies of at least AQF level 3. It is intended that an individual will be expected to perform with a large degree of autonomy in decision-making, whilst in an individual environment.</p> <p>This may include immediate response to protect human</p>	150

life, adverse effect on safety, security of supply or the integrity of the assets.

NOTE: Typically the following disciplines provide direct entry; electrical or instrumentation, fitting and turning or mechanical trade.

Where an individual does not possess or demonstrate the requisite entry requirement, an equivalent bridging program shall be used to ensure equivalence of entry.

## **Qualification Mapping Information**

This qualification replaces and is equivalent to UET50319 Diploma of ESI - Power Systems Operations

## **Links**

Companion Volume Implementation Guides are found in VETNet -

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