



**Australian Government**

# **UET30612 Certificate III in ESI - Power Systems - Distribution Overhead**

**Release: 2**

## UET30612 Certificate III in ESI — Power Systems - Distribution Overhead

### Modification History

Release	Action	Core/Elective	Details	Points
2	Update	Core	Update name of unit UEENEEE102A Fabricate, assemble and dismantle utilities industry components	40
2	Add	Group B	UETTDRIS55A Install and maintain low voltage underground services	40

### Description

#### Scope

Those gaining this qualification will be able to acquire the skills and knowledge needed for a career in the Electricity Supply Industry. The scope of this qualification covers: Distribution overhead powerline industry such as installation, maintenance and inspection poles, structures and associated hardware used on poles and structures. The work also encompasses the installation and maintenance of electrical equipment, conductors and cables used in the powerline industry. The use of support plant and equipment to undertake these tasks and environmental concerns also play a part in this job function.

### Pathways Information

Not applicable.

### Licensing/Regulatory Information

Not applicable.

### Entry Requirements

Not applicable.

## **Employability Skills Summary**

Not applicable.

## Packaging Rules

### Completion requirements

The requirements for granting this qualification will be met when competency is demonstrated and achieved for:

- All the Core competency standard units, defined in the Core Competency Standard Units table below and
- A combination of Elective competency standard units to achieve a total weighting of 140 points in accordance with the Elective Competency Standard Units table below.
- All the required prerequisite competency standard units have been met.

Core Units — All to be achieved		Weighting Points
CPCCLDG3001A	Licence to perform dogging	20
AHCARB205A	Operate and maintain chainsaws	20
TLILIC2005A	License to Operate a Boom Type Elevating Work Platform (Boom Length 11 Metres or more)	40
UEENEEE101A	Apply Occupational Health Safety regulations, codes and practices in the workplace	20
UEENEEE102A	Fabricate, assemble and dismantle utilities industry components	40
UEENEEE104A	Solve problems in d.c. circuits	80
UEENEEE105A	Fix and secure electrotechnology equipment	20
UEENEEE107A	Use drawings, diagrams, schedules, standards, codes and specifications	40
UEENEEG101A	Solve problems in electromagnetic devices and related circuits	60
UEENEEG102A	Solve problems in low voltage a.c. circuits	80
UETTRDP11A	Inspect overhead poles/structures and electrical apparatus	50
UETTRDP12A	Maintain overhead energised low voltage conductors and cables	60
UETTRDP99A	Test and verify distribution overhead installations	40
UETTDREL11A	Apply sustainable energy and environmental procedures	20
UETTDREL12A	Operate plant and equipment near live electrical conductors and apparatus	40
UETTDREL16A	Working safely near live electrical apparatus	20

UETTDNIS41A	Install network infrastructure electrical equipment	60
UETTDNIS42A	Maintain network infrastructure electrical equipment	60
UETTDNIS52A	Install and maintain poles, structures and associated hardware	50
UETTDNIS54A	Install and maintain poles, structures, overhead conductors and cables	60
UETTDNIS56A	Install and maintain low voltage overhead services	40
<b>Total points in core</b>		<b>920</b>

### Elective Competency Standard Units

**Complete Elective units to achieve a total of weighting of 140 points from the following groups:**

Group		Minimum points	Maximum points
<b>A</b>	<b>Imported and Common Elective Units</b> Imported units from other training packages and/or state accredited courses can be added to this group, but they must be selected from qualifications where the unit is first packaged at AQF level 3. If units have not being assigned a weighting by the relevant EE-Oz Industry Technical Advisory Committee, their weighting will be 10 points.	<b>0</b>	<b>70</b>
<b>B</b>	<b>Qualification Electives</b> You may select all your elective units from this Group	<b>80</b>	<b>140</b>

Group A – Imported and Common Elective Units		Weighting Points
You may complete units to a maximum weighting of 60 points		
CPCCLHS3001A	Licence to operate a personnel and materials hoist	10
CPCCLHS3002A	Licence to operate a materials hoist	10
CPCCLRG3001A	Licence to perform rigging basic level	40
CPCCLRG3002A	Licence to perform rigging intermediate level	60
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding	20

	basic level	
CPCCLSF3001A	Licence to erect, alter and dismantle scaffolding intermediate level	20
TLIC3003A	Drive medium rigid vehicle	20
TLIC3004A	Drive heavy rigid vehicle	20
TLILIC2001A	Licence to operate a forklift truck	40
TLILIC4011A	Licence to operate a slewing mobile crane (over 100 tonnes)	70
TLILIC0012A	License to operate a vehicle loading crane (Capacity 10 metre tonnes and above)	40
TLILIC3003A	Licence to operate a bridge and gantry crane	70
TLILIC3008A	Licence to operate a slewing mobile crane (up to 20 tonnes)	70
TLILIC4009A	Licence to operate a slewing mobile crane (up to 60 tonnes)	70
UEENEEE108A	Lay wiring/cabling and terminate accessories for ELV circuits	40
UEENEEG106A	Terminate cables, cords and accessories for low voltage circuits	40
	<p>Imported units from other training packages and/or state accredited courses can be added to this group, but they must be selected from qualifications where the unit is first packaged at AQF level 3. If units have not being assigned a weighting by the relevant EE-Oz Industry Technical Advisory Committee, their weighting will be 10 points.</p> <p>Note: For further information see Application of the NQC Flexibility Formula, Page 10, UET12 Electricity Supply Industry – Transmission, Distribution and Rail Sector Training Package, Version 1, Volume 1 Qualification Framework.</p>	Up to 70 Points

<b>Group B - Qualification Electives.</b> Complete units to at least 80 points from this group. You may select all your elective units from this Group.		<b>Weighting Points</b>
UETTDNIS43A	Perform low voltage field switching operation to a given schedule.	50
UETTDNIS44A	Perform HV field switching operation to a given schedule	50
UETTDNIS53A	Install and maintain power system public lighting	40
UETTDNIS57A	Conduct visual checking and treatment of power system poles and structures	30
UETTDNIS60A	Install and replace power system energy meters and associated equipment	50
UETTDNIS61A	Install mobile generation set for synchronised LV Genset	50
UETTDNISB39A	Perform power system substation switching operation to a given schedule	50
UETTDNVC29A	Control vegetation whilst performing linework	40

Note:

1. Prerequisite pathways shall be identified and met for all elective units selected.
2. In selecting elective units considerations to career planning advice should be given to units that form part of a prerequisite pathway for the progression to achieve particular competencies or qualification at a higher level.

## END OF QUALIFICATION

## Custom Content Section

Not applicable.