



Australian Government

UET30812 Certificate III in ESI - Power Systems - Distribution Cable Jointing

Release 3

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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	Update	N/A	Correct mathematical error in core unit weighting to match count. Adjusted elective units to be maximum 70 Group A points and minimum 190 Group B points.	

3	Remove	Group A	TLIC3003A Drive medium rigid vehicle	20
3	Remove	Group A	TLIC3004A Drive heavy rigid vehicle	20
3	Add	Group A	TLILIC2015B Licence to drive medium rigid vehicle	20
3	Add	Group A	TLILIC2016B Licence to drive heavy rigid vehicle	20

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:

Cable Jointing such as the laying, installation and maintenance of de-energised Low Voltage and High Voltage underground polymeric cables and the installation and maintenance of electrical equipment. Options are available for skills to be obtained for energised cables and or Low Voltage and High Voltage paper insulated cables.

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 280 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 completed		Weighting Points
CPCCLDG3001A	Licence to perform dogging	20
TLILIC2005A	Licence 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
UETTDRCJ21A	Lay ESI electrical cables	20
UETTDRCJ26A	Install and maintain de-energised low voltage underground polymeric cables.	50
UETTDRCJ27A	Install and maintain de-energised high voltage underground polymeric cables.	50
UETTDRCJ99A	Test and verify distribution cable jointing 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
UETTDRI41A	Install network infrastructure electrical equipment	60
UETTDRI42A	Maintain network infrastructure electrical equipment	60
UETTDRI55A	Install and maintain low voltage underground services	40
Total points in core		800

Elective Competency Standard Units

Complete Elective units to achieve a total of weighting of 260 points from the following groups:

Group		Minimum points	Maximum points
A	Imported and Common Elective Units 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.	0	70
B	Qualification Electives You may select all your elective units from this Group	190	260

Group A – Imported and Common Elective Units		Weighting Points
You may complete units to a maximum weighting of 70 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 basic level	20
CPCCLSF3001A	Licence to erect, alter and dismantle scaffolding intermediate level	20
AHCARB205A	Operate and maintain chainsaws	20

TLILIC2001A	Licence to operate a forklift truck	40
TLILIC2015B	Licence to drive medium rigid vehicle	20
TLILIC2016B	Licence to drive heavy rigid vehicle	20
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
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

Group B - Qualification Electives Complete units to at least 190 points from this group. You may select all your elective units from this Group.		Weighting Points
UETTDRCJ22A	Install and maintain de-energised low voltage underground paper insulated cables.	40
UETTDRCJ23A	Install and maintain de-energised high voltage underground paper insulated cables.	60
UETTDRCJ24A	Joint and maintain energised low voltage underground paper insulated cables	60
UETTDRCJ25A	Perform straight through high voltage paper insulated to polymeric transition joint	50
UETTDRCJ28A	Joint and maintain energised low voltage underground polymeric cables	50
UETTD RDP11A	Inspect overhead poles/structures and electrical apparatus	50
UETTD RIS43A	Perform low voltage field switching operation to a given schedule.	50
UETTD RIS44A	Perform HV field switching operation to a given schedule	50
UETTD RIS53A	Install and maintain power system public lighting	40
UETTD RIS56A	Install and maintain low voltage overhead services	40
UETTD RIS57A	Conduct visual checking and treatment of power system poles and structures	30
UETTD RIS58A	Locate faults in power system underground power cables	60
UETTD RIS59A	Conduct high potential testing of power system underground power cables	50
UETTD RIS60A	Install and replace power system energy meters and associated equipment	50
UETTD RIS61A	Install mobile generation set for synchronised LV Genset	50
UETTD RSB39A	Perform power system substation switching operation to a given schedule	50

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.