

# Qualification details



## UEP40512 - Certificate IV in ESI Generation Maintenance - Electrical Electronics

### Summary

Releases:	Release	Status	Release date
	3	Current	2013/09/07
	2	Replaced	2013/03/14
	1	Replaced	2012/07/25

Usage recommendation: **Superseded**

Mapping:	Mapping	Notes	Date
	Is superseded by and equivalent to UEP40318 - Certificate IV in ESI Generation Maintenance - Electrical Electronics		2018/10/31

### Training packages that include this qualification

Code	Title	Release
UEP12	Electricity Supply Industry - Generation Sector Training Package	2.1

### Units of competency

Code	Title	Essential
BSBCUS401B	Coordinate implementation of customer service strategies	N/A
BSBINM401A	IMPLEMENT WORKPLACE INFORMATION SYSTEM	N/A
BSBINN301A	Promote innovation in a team environment	N/A
BSBLED401A	Develop teams and individuals	N/A
BSBMGT402A	Implement operational plan	N/A
BSBMGT403A	Implement continuous improvement	N/A
BSBWOR401A	Establish effective workplace relationships	N/A
BSBWOR402A	Promote team effectiveness	N/A
BSBWOR404B	Develop work priorities	N/A
TAEDEL301A	Provide work skill instruction	N/A
UEENEEC001B	Maintain documentation	N/A
UEENEEC005B	Estimate electrotechnology projects	N/A
UEENEEC010B	Deliver a service to customers	N/A
UEENEED101A	Use computer applications relevant to a workplace	N/A
UEENEED104A	Use engineering applications software on personal computers	N/A
UEENEEE101A	Apply Occupational Health and Safety regulations, codes and practices in the workplace	N/A
UEENEEE102A	Fabricate, assemble and dismantle utilities industry components	N/A
UEENEEE104A	Solve problems in d.c. circuits	N/A
UEENEEE105A	Fix and secure electrotechnology equipment	N/A
UEENEEE107A	Use drawings, diagrams, schedules, standards, codes and specifications	N/A

Code	Title	Essential
UEENEEE117A	Implement and monitor energy sector OHS policies and procedures	N/A
UEENEEE124A	Compile and produce an energy sector detailed report	N/A
UEENEEE137A	Document and apply measures to control OHS risks associated with electrotechnology work	N/A
UEENEEF102A	Install and maintain cabling for multiple access to telecommunication services	N/A
UEENEEF105A	Install and modify optical fibre performance data communication cabling	N/A
UEENEEG006A	Solve problems in single and three phase low voltage machines	N/A
UEENEEG033A	Solve problems in single and three phase low voltage electrical apparatus and circuits	N/A
UEENEEG063A	Arrange circuits, control and protection for general electrical installations	N/A
UEENEEG101A	Solve problems in electromagnetic devices and related circuits	N/A
UEENEEG102A	Solve problems in low voltage a.c. circuits	N/A
UEENEEG106A	Terminate cables, cords and accessories for low voltage circuits	N/A
UEENEEG108A	Trouble-shoot and repair faults in low voltage electrical apparatus and circuits	N/A
UEENEEG109A	Develop and connect electrical control circuits	N/A
UEENEEI101A	Use instrumentation drawings, specification, standards and equipment manuals	N/A
UEENEEI107A	Install instrumentation and control cabling and tubing	N/A
UEENEEI108A	Install instrumentation and control apparatus and associated equipment	N/A
UEPMNT319B	Maintain and test fixed fire protection systems	N/A
UEPMNT345B	Install electronic equipment	N/A
UEPMNT346B	Maintain electrical equipment	N/A
UEPMNT347B	Maintain complex electrical equipment	N/A
UEPMNT348B	Maintain electrical electronic equipment	N/A
UEPMNT350B	Modify electrical equipment	N/A
UEPMNT351B	Test and commission electrical equipment	N/A
UEPMNT352B	Test and commission electronic electrical equipment	N/A
UEPMNT355B	Install complex/electronic instrumentation equipment	N/A
UEPMNT356B	Maintain instrumentation equipment	N/A
UEPMNT357B	Diagnose and repair faults in instrumentation equipment	N/A
UEPMNT358B	Modify instrumentation equipment	N/A
UEPMNT359B	Test and commission instrumentation equipment	N/A
UEPMNT362A	Maintain Wind Turbine Control Systems	N/A
UEPMNT366A	Maintain power plant inverter systems	N/A
UEPMNT410B	Diagnose and repair faults in electronic equipment	N/A
UEPMNT411B	Diagnose and repair faults in complex electrical equipment	N/A
UEPMNT412B	Modify complex electrical equipment	N/A
UEPMNT413B	Modify electronic electrical equipment	N/A
UEPMNT414B	Test and commission complex electrical equipment	N/A
UEPMNT415B	Diagnose and repair faults in complex refrigeration/air conditioning equipment	N/A
UEPMNT416B	Overhaul electrical generator	N/A
UEPMNT417B	Inspect electrical generators and diagnose faults	N/A
UEPMNT421B	Conduct technical inspection of process plant and equipment	N/A
UEPMNT422B	Conduct performance testing on process plant and equipment	N/A
UEPMNT424B	Monitor efficiency of thermal steam cycle power plant	N/A
UEPMNT425B	Maintain complex instrumentation equipment	N/A

Code	Title	Essential
UEPMNT426B	Maintain electronic instrumentation equipment	N/A
UEPMNT427B	Diagnose and repair faults in complex instrumentation equipment	N/A
UEPMNT428B	Modify complex instrumentation equipment	N/A
UEPMNT429B	Modify electronic instrumentation equipment	N/A
UEPMNT430B	Test and commission complex instrumentation equipment	N/A
UEPMNT431B	Test and commission electronic instrumentation equipment	N/A
UEPMNT432B	Write programs for control systems	N/A
UEPMNT433B	Conduct routine generator electrical maintenance	N/A
UEPMNT434A	Diagnose and Repair Faults in Wind Turbine Control Systems	N/A
UEPMNT436A	Test and Commission Wind Turbine Control Systems	N/A
UEPMNT440A	Diagnose and repair faults in power plant inverter systems	N/A
UEPMNT441A	Test and commission power plant inverter systems	N/A
UEPOPS202B	Apply quality systems to work	N/A
UEPOPS301B	Conduct single energy source isolation procedures for permit to work	N/A
UEPOPS337B	Maintain quality systems within the team	N/A
UEPOPS338B	Facilitate effective workplace communication	N/A
UEPOPS371A	Carry out operational checks on in-service electrical plant	N/A
UEPOPS402B	Conduct multiple energy source isolation procedures for permit to work	N/A
UEPOPS417B	Monitor and implement environmental plans and procedures	N/A
UEPOPS430B	Control permit to work operations	N/A
UEPOPS439B	Plan and organise work	N/A

## Classifications

Scheme	Code	Name
ANZSCO Identifier	399213	Power Generation Plant Operator
ASCED Qualification/Course Field of Education Identifier	0399	Other Engineering And Related Technologies
ASCO (occupation type) Identifier	3123-13	Electrical Engineering Technician
Qualification/Course Level of Education Identifier	511	Certificate IV
Taxonomy - Industry Sector	N/A	Electricity Generation Maintenance
Taxonomy - Occupation	N/A	Instrumentation and Control Technician, Electrical/Electronic Maintenance Technician (Electricity Supply Industry), Electrical Technician (Electricity Supply Industry), Electrical Supervisor (High Voltage Substation Construction)

## Classifications history

Scheme	Code	Name	Start date	End date
ANZSCO Identifier	399213	Power Generation Plant Operator	2012/11/01	
ASCO (occupation type) Identifier	3123-13	Electrical Engineering Technician	2012/11/01	
ASCED Qualification/Course Field of Education Identifier	0399	Other Engineering And Related Technologies	2012/11/01	

Scheme	Code	Name	Start date	End date
Qualification/Course Level of Education Identifier	511	Certificate IV	2012/07/25	