

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Usage recommendation: **Superseded**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	Is superseded by and equivalent to UEP40318 - Certificate IV in ESI Generation Maintenance - Electrical Electronics		2018/10/31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
UEENEFF102A	Install and maintain cabling for multiple access to telecommunication services	N/A
UEENEFF105A	Install and modify optical fibre performance data communication cabling	N/A
UEENEEO006A	Solve problems in single and three phase low voltage machines	N/A
UEENEEO033A	Solve problems in single and three phase low voltage electrical apparatus and circuits	N/A
UEENEEO063A	Arrange circuits, control and protection for general electrical installations	N/A
UEENEEO101A	Solve problems in electromagnetic devices and related circuits	N/A
UEENEEO102A	Solve problems in low voltage a.c. circuits	N/A
UEENEEO106A	Terminate cables, cords and accessories for low voltage circuits	N/A
UEENEEO108A	Trouble-shoot and repair faults in low voltage electrical apparatus and circuits	N/A
UEENEEO109A	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	