



Australian Government

Department of Education, Employment and Workplace Relations

UEE31910 Certificate III in Explosion-protected equipment overhaul

Release: 1

UEE31910 Certificate III in Explosion-protected equipment overhaul

Modification History

Not Applicable

Description

Scope

This qualification provides competencies to overhaul and repair of general and explosion-protected electrical machines, switchgear and controlgear.

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 awarding this qualification are that the following are successfully achieved:

- All of the Core competency standard units;
- The required number of Stream Core competency standard units;
- The required number of Elective competency standard units as prescribed in the respective Schedule; and
- All the required pre-requisite competency standard units have been met as required.

Core Competency Standard Units

All Core competency standard units to be achieved

UEENEEC029B	Participate in explosion-protected equipment overhaul work and competency development activities
UEENEEE001B	Apply OHS practices in the workplace
UEENEEE002B	Dismantle, assemble and fabricate electrotechnology components
UEENEEE003B	Solve problems in extra-low voltage single path circuits
UEENEEE004B	Solve problems in multiple path d.c. circuits
UEENEEE005B	Fix and secure equipment
UEENEEE007B	Use drawings, diagrams, schedules and manuals
UEENEEE033B	Document occupational hazards and risks in electrical work
UEENEEG001B	Solve problems in electromagnetic circuits
UEENEEG002B	Solve problems in single and three phase low voltage circuits
UEENEEG029B	Overhaul and repair switchgear / controlgear
UEENEEG050B	Wind coils
UEENEEG051B	Place and connect coils
UEENEEG052B	Rewind single phase induction machines
UEENEEG053B	Rewind three phase induction machines rated for low voltage
UEENEEG057B	Conduct electrical tests on low voltage electrical machines

Core Competency Standard Units

All Core competency standard units to be achieved

- UEENEEG064B Repair mechanical components of electrical machines
- UEENEEM080A Report on the integrity of explosion-protected equipment in a hazardous area

Stream Core Competency Standard Units

At least 2 of the following competency standard units to be achieved

- UEENEEC001B Maintain documentation
- UEENEEC002B Source and purchase material/parts for installation or service jobs
- UEENEEC003B Provide quotations for installation or service jobs
- UEENEEC010B Deliver a service to customers
- UEENEED001B Use basic computer applications relevant to a workplace
- UEENEEE009B Comply with scheduled and preventative maintenance program processes
- UEENEEE020B Provide basic instruction in the use of electrotechnology apparatus
- UEENEK042A Participate in environmentally sustainable work practices

Elective Competency Standard Units

In accordance with Schedules 3 which forms an integral part of this qualification, achieve a Unit Strand Total of at least 4.

- Note:**
1. Pre-requisite 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 pre-requisite pathway for the progression to achieve particular competencies or qualification at a higher level.
 3. It is recommended that consideration be given to selecting from the following Units in meeting the elective requirements for this qualification:
 - UEENEEM076A Use and maintain the integrity of a portable gas detection device
 - UEENEEM027A Maintain equipment in hazardous areas coal mining
 - UEENEEM028A Maintain equipment in hazardous areas gas atmospheres
 - UEENEEM029A Maintain equipment in hazardous areas dust atmospheres
 - UEENEEM030A Maintain equipment in hazardous areas pressurisation
 - UEENEEM038A Conduct testing of hazardous area installations coal mining
 - UEENEEM039A Conduct testing of hazardous area installations gas atmospheres
 - UEENEEM040A Conduct testing of hazardous area installations dust atmospheres
 - UEENEEM041A Conduct testing of hazardous area installations pressurisation

UEENEEM042A Conduct visual inspection of hazardous areas installations

END OF QUALIFICATION
