



Australian Government

Department of Education, Employment and Workplace Relations

UEE42410 Certificate IV in Hazardous areas - Industrial control

Release: 1

UEE42410 Certificate IV in Hazardous areas - Industrial control

Modification History

Not Applicable

Description

Scope

This qualification provides competencies to supervise selection, installation, commissioning maintenance and testing of explosion-protected equipment and systems for control and monitoring of plant and processes. The qualification provides competencies in working with explosion protections techniques with elections in how they apply to coal mining, gas and dust atmospheres.

Note. This qualification relates to working with equipment and systems operating at extra-low voltage such as instrumentation, control buses, fire warning, security and communication.

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.
- Note: UEENEEI012B - Those holding a 'Certificate III in Instrumentation and Control trade qualification or equivalent' meet the requirements of this unit and its pre-requisite requirements.

Core Competency Standard Units

All Core competency standard units to be achieved

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
UEENEEE017B	Implement and monitor OHS policies and procedures
UEENEEE024C	Compile and produce an electrotechnology report
UEENEEE035B	Document occupational hazards and risks in instrumentation
UEENEEE038B	Participate in development and follow a personal competency development plan
UEENEEI001B	Install and set up transducers and sensing devices
UEENEEI002B	Solve problems in pressure measurement systems
UEENEEI003B	Solve problems in pressure measurement systems
UEENEEI004B	Solve problems in flow measurement systems
UEENEEI005B	Solve problems in temperature measurement systems
UEENEEI006B	Solve problems in process controllers, transmitters and converters
UEENEEI007C	Install process instrumentation and control cabling and tubing
UEENEEI008C	Install process control apparatus and associated equipment
UEENEEI010B	Set up and adjust process control loops
UEENEEI012B	Verify compliance and functionality of process control installations
UEENEEI013B	Select equipment for process control systems
UEENEEM080A	Report on the integrity of explosion-protected equipment in a hazardous area
UEENEPP001B	Disconnect and reconnect fixed wired electrical equipment connected to a Low Voltage supply

Stream Core Competency Standard Units

At least 3 of the following competency standard units to be achieved

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
UEENEEED001B	Use basic computer applications relevant to a workplace
UEENEEEE009B	Comply with scheduled and preventative maintenance program processes
UEENEEEE020B	Provide basic instruction in the use of electrotechnology apparatus
UEENEEK042A	Participate in environmentally sustainable work practices
UEENEEK045A	Implement&monitor, policies&procedures for environmentally sustainable electrotech work practice

Elective Competency Standard Units

In accordance with Schedules 3 and 4, which forms an integral part of this qualification, achieve a Unit Strand Total of at least 15, of which at least 12 shall be selected from Schedule 4 as specified.

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

UEENEEM077A Install and maintain the integrity of fixed gas detection equipment

UEENEEM078A Manage compliance of hazardous areas

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

UEENEEM043A Conduct detailed inspection of hazardous areas installations coal mining

UEENEEM044A Conduct detailed inspection of hazardous areas installations gas atmospheres

UEENEEM045A Conduct detailed inspection of hazardous areas installations dust atmospheres

UEENEEM046A Conduct detailed inspection of hazardous areas installations pressurisation

END OF QUALIFICATION