



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **UEE40910 Certificate IV in Industrial Electronics and Control**

**Release: 1**

## **UEE40910 Certificate IV in Industrial Electronics and Control**

### **Modification History**

Not Applicable

### **Description**

#### **Scope**

This qualification provides competencies to select, install, commission, fault find and maintain equipment and systems for the control of plant, machines and processes

### **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: UEENEEG005B - Those holding an 'Unrestricted Electricians Licence or equivalent issued in an Australian State or Territory 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

UEENEEE008B Lay wiring/cablings and terminate accessories for extra-low voltage circuits

UEENEEE017B Implement and monitor OHS policies and procedures

UEENEEE024C Compile and produce an electrotechnology report

UEENEEE033B Document occupational hazards and risks in electrical work

UEENEEE038B Participate in development and follow a personal competency development plan

UEENEEG001B Solve problems in electromagnetic circuits

UEENEEG002B Solve problems in single and three phase low voltage circuits

UEENEEG003B Install wiring and accessories for low voltage circuits

UEENEEG004B Install low voltage electrical apparatus and associated equipment

UEENEEG005B Verify compliance and functionality of general electrical installations

- UEENEEE001B Apply OHS practices in the workplace
- UEENEEG007B Select and arrange equipment for general electrical installations
- UEENEEG008B Find and repair faults in electrical apparatus and circuits
- UEENEEG009B Develop and connect control circuits
- UEENEEH043B Diagnose and rectify faults in digital subsystems of electronic controls
- UEENEEH044B Diagnose and rectify faults in analogue circuits and components in electronic control systems

### Stream Core Competency Standard Units

At least 3 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   |
| UEENEEED001B | 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                              |
| 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 12, of which at least 6 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.

END OF QUALIFICATION

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