



**Australian Government**

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

# **UEE41710 Certificate IV in Rail - Communications and Network Systems**

**Release: 1**

## **UEE41710 Certificate IV in Rail - Communications and Network Systems**

### **Modification History**

Not Applicable

### **Description**

#### **Scope**

This qualification provides competencies to select, install, commission, fault find and maintain radio and dedicated telecommunications networks in rail systems.

### **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

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
UEENEEE007B	Use drawings, diagrams, schedules and manuals
UEENEEE017B	Implement and monitor OHS policies and procedures
UEENEEE024C	Compile and produce an electrotechnology report
UEENEEE037B	Document occupational hazards and risks in electrotechnology
UEENEEE038B	Participate in development and follow a personal competency development plan
UEENEEH002B	Carry out basic repairs to electronic apparatus by replacement of components
UEENEEH011B	Troubleshoot d.c. power supplies with single phase input
UEENEEH012B	Troubleshoot digital subsystems
UEENEEH013B	Troubleshoot amplifiers
UEENEEH014B	Troubleshoot frequency dependent circuits
UEENEEH015B	Develop software solutions in microcontroller based systems
UEENEEH038B	Find and repair faults in complex power supplies

**Core Competency Standard Units**

All Core competency standard units to be achieved

UEENEEH039B Troubleshoot basic amplifiers

**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
UEENEE001B	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 29, 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.

END OF QUALIFICATION

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