Australian Government

ICT20513 Certificate II in Telecommunications Fixed Wireless and Rigging Installation

Release 2

ICT20513 Certificate II in Telecommunications Fixed Wireless and Rigging Installation

Modification History

Release	Comments
Release 2	This version first released with *ICT10 Integrated Telecommunications Training Package Version 3.0*. Units updated to current versions.
Release 1	This qualification first released with *ICT10 Integrated Telecommunications Training Package Version 2.0*.

Description

This qualification reflects the role of an operator in the telecommunications industry who can apply a broad range of competencies in a varied work context from installation and maintenance of telecommunications equipment installed in base stations or mounted on structures requiring rigging skills.

This qualification has two streams that prepare an individual for entry to the industry in a specialised area of installation of telecommunication equipment on high structures including radio towers or for installation and connection of wireless base stations.

An operator uses rigging skills to install and maintain radio antennas on radio towers and build and mount sections of radio masts for a complete radio structure.

Job roles

Job roles and titles vary across different sectors of the industry. Possible job titles relevant to this qualification include:

- installer of radio telecommunications equipment on structures
- installer of radio equipment and cabling on radio towers
- installer of radio base stations
- telecommunications rigger tradesperson.

Pathways Information

Pathways into the qualification

Candidates may enter this qualification with limited or no vocational experience and without a relevant lower level qualification.

Pathways from the qualification

After achieving the ICT20513 Certificate II in Telecommunications Rigging Installation, candidates may undertake the ICT30513 Certificate III in Telecommunications Rigging Installation, a qualification for those seeking to develop more specialised technical skills and knowledge, or a range of other Certificate III qualifications.

Licensing/Regulatory Information

Cabling

The completion of unit ICTWHS2170B, ICTWHS2170A or ICTOHS2170A and the set of the following four units ICTCBL2005B, ICTCBL2006B, ICTCBL2008B and ICTCMP2022B that meet the Australian Communications and Media Authority (ACMA) requirements for Cabling Provider Rules (CPR) restricted registration, is generally used as a part of a more specialised customer cabling qualification. This set is regarded as more suitable for new entrants where limited or no industry experience has been obtained and forms the major part of specialised qualifications such as ICT20310 Certificate II in Telecommunications Cabling.

For cablers with restricted CPR qualifications there will be a requirement for the specialised competency unit ICTCMP2239B Perform restricted customer premises broadband cabling work: ACMA Restricted Rule, to be achieved when working on specialised broadband cabling.

All training programs must be undertaken with reference to the regulatory regime of the prevailing statutory authority for cabling (currently ACMA) and rigging.

National Standard for Licensing Persons Performing High Risk Work

The National Standard for Licensing Persons Performing High Risk Work applies to persons performing dogging and rigging work. Completion of the following units is required for certification at either basic, intermediate or advanced levels.

- CPCCLDG3001A Licence to perform dogging
- CPCCLRG3001A Licence to perform rigging basic level
- CPCCLRG3002A Licence to perform rigging intermediate level
- CPCCLRG4001A Licence to perform rigging advanced level

National Code of Practice for Induction for Construction Work

Some cabling and installation work may fall within the definition of construction work. If so, people entering the construction site are required to complete the general induction training program specified by the National Code of Practice for Induction Training for Construction Work (Australian Safety Compensation Council, May 2007).

Volume of Learning

The volume of learning of a Certificate II is typically 0.5 – 1 year.

Entry Requirements

There are no entry requirements for this qualification.

Employability Skills Summary

Employability skill	Industry/enterprise requirements for this qualification include:
Communication	• confirming approval for time and method of site access with customers • documenting and communicating work-related information, including reporting of faults and problems
Teamwork	• participating in a team structure by identifying team members, tasks and goals and recognising and responding positively to conflict
Problem solving	• determining cable routes, taking into account building services, safety, industry codes and practices, and customer requirements • evaluating earthing needs for cable systems on customer premises
Initiative and enterprise	• reading and understanding plans and designs to acknowledge local physical conditions • identifying issues and possible solutions within established guidelines
Planning and organising	• planning and organising installation and operation of telecommunications equipment and products
Self-management	• relating own role to the industry and establishing own work schedule • using strategies to present a professional image to customers
Learning	• seeking assistance from team members • giving and receiving feedback
Technology	• installing and operating telecommunications equipment and products

Packaging Rules

Total number of units = 13
6 core units, *plus*
7 elective units, *of which:*

- **4 units from Group A Fixed wireless or Group B Rigging installation**
- **3 units must be from Group C General elective units, up to 2 of which** may be substituted with two units from elsewhere in this Training Package, another Training Package or accredited course at Certificate II or III level.

Elective units must be relevant to the work outcome, local industry requirements and the qualification level.

If the four unit set ICTCBL2005B, ICTCBL2006B, ICTCBL2008B and ICTCMP2022B has been selected, unit ICTCBL2136B cannot also be selected as an elective unit.

Core units

CPCCOHS1001A Work safely in the construction industry
ICTTCR2189A Use operational safety in a telecommunications rigging environment
ICTTEN2008A Use electrical skills in telecommunications work
ICTTEN2140B Use hand and power tools
ICTWHS2170B Follow work health and safety and environmental policies and procedures
ICTWOR2141A Work effectively in a telecommunications technology team

Elective units

Group A Fixed wireless specialist stream

ICTCBL2012B Install functional and protective telecommunications earthing system
ICTRFN3055A Install a radio communications antenna and feedline
ICTRFN4177A Install radio communications base station equipment
ICTTEN2219A Install and test an internet protocol device in convergence networks

Group B Rigging installation specialist stream

CPCCLDG3001A Licence to perform dogging
CPCCLRG3001A Licence to perform rigging basic level
ICTTCR2188A Use rigging practices and systems on telecommunications network structures
ICTTCR2190A Use safe rigging practices to climb and perform rescues on telecommunications network structures

Group C General elective units

BSBCUS201B Deliver a service to customers
BSBSUS201A Participate in environmentally sustainable work practices
CPCCLRG3002A Licence to perform rigging intermediate level

CPCCLRG4001A Licence to perform rigging advanced level
ICTCBL2005B Install customer cable support systems
ICTCBL2006B Place and secure customer cable
ICTCBL2008B Terminate metallic conductor customer cable
ICTCBL2016A Joint metallic conductor cable on customer premises
ICTCBL2017A Alter services to existing cable system
ICTCBL2065B Splice and terminate optical fibre cable for carriers and service providers
ICTCBL2066B Joint and terminate coaxial cable
ICTCBL2068A Install a telecommunications service to a building
ICTCBL2131A Install an above ground equipment enclosure
ICTCBL2132A Erect aerial cable supports
ICTCBL2133A Construct underground telecommunications infrastructure
ICTCBL2134A Fix aerial cable
ICTCBL2136B Install, maintain and modify customer premises communications cabling: ACMA Restricted Rule
ICTCBL2139B Apply safe technical work practices for cabling registration
ICTCBL2163A Install a cable lead-in
ICTCMP2022B Organise and monitor cabling to ensure compliance with regulatory and industry standards
ICTOHS2080A Provide telecommunications services safely on roofs
ICTOHS2153B Work safely near power infrastructure
ICTPMG2130A Prepare site for support installation
ICTPMG2173A Plan, organise and undertake work activities
ICTRFN2163B Install a satellite antenna
ICTRFN2164B Install a terrestrial antenna
ICTWHS2081A Work safely in a radio frequency electromagnetic radiation environment

Prerequisite Units

The following units in this qualification have the prerequisite units detailed below.

Code and title	Prerequisite units require
CPCCLRG3002A Licence to perform rigging intermediate level	CPCCLRG3001A Licence to perform rigging basic level
CPCCLRG4001A Licence to perform rigging advanced level	CPCCLRG3002A Licence to perform rigging intermediate level