



Australian Government

ICT20210 Certificate II in Telecommunications

Release 2

ICT20210 Certificate II in Telecommunications

Modification History

Version	Comments
Release 2	<p>This version released with <i>ICT10 Integrated Telecommunications Training Package v2.0</i>.</p> <p>Updated imported units <i>BSBCUS201A</i> to <i>BSBCUS201B</i>.</p> <p>Qualification outcomes remain unchanged.</p>
Release 1	<p>This qualification first released with <i>ICT10 Integrated Telecommunications Training Package v1.0</i></p>

Description

Descriptor

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 to operation of telecommunications equipment and products.

Cabling at the customer premises must be carried out according to requirements of the Australian Communications and Media Authority (ACMA) and relevant industry registration bodies, and in line with the specifications of the access network owner.

This qualification prepares an individual for entry to the industry.

Job Roles

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

- cabler and installer
- equipment installer
- security alarm installer
- telecommunications equipment operator
- telecommunications tradesperson.
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Prerequisite requirements

There are no prerequisite requirements for individual units of competency.

Pathways Information

Qualification Pathways

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 ICT20210 Certificate II in Telecommunications, candidates may undertake the ICT30210 Certificate III in Telecommunications, a qualification for those seeking to develop more specialised technical skills and knowledge, or a range of other Certificate III qualifications.

Licensing/Regulatory Information

Licensing, legislative, regulatory or certification considerations

The four unit set ICTCBL2005A, ICTCBL2006A, ICTCBL2008A and ICTCMP2022A that meets the 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.

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

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).

Achievement of the unit CPCCOHS1001A Work safely in the construction industry from the CPC08 Construction and Plumbing Services Integrated Framework Training Package fulfils this requirement.

Entry Requirements

Entry requirements

There are no entry requirements for this qualification.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

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Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> confirming approval for time and method of site access with customers documenting and communicating work-related information, including reporting of faults and problems
Teamwork	<ul style="list-style-type: none"> participating in a team structure by identifying team members, tasks and goals and recognising and responding positively to conflict
Problem solving	<ul style="list-style-type: none"> determining network equipment power consumption and current from measurements and specification data evaluating probable solutions to faults involving telecommunications networks and equipment
Initiative and enterprise	<ul style="list-style-type: none"> reading and understanding plans and designs to acknowledge local physical conditions identifying issues and possible solutions within established guidelines
Planning and organising	<ul style="list-style-type: none"> planning and organising installation and operation of telecommunications equipment and products
Self-management	<ul style="list-style-type: none"> relating own role to the industry and establishing own work schedule using strategies to present a professional image to customers
Learning	<ul style="list-style-type: none"> seeking assistance from team members giving and receiving feedback
Technology	<ul style="list-style-type: none"> installing and operating telecommunications equipment and products

Packaging Rules

Total number of units = 11

5 core units, plus

1 elective unit from Group A workplace units, plus

5 elective units from Group B general units

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

A maximum of two units from Group B general elective units may be substituted with two units of competency from any endorsed Training Package or accredited course at Certificate II or Certificate III level.

Units selected from other Training Packages or accredited courses must not duplicate units selected from or available within the ICT10 Integrated Telecommunications Training Package.

If the four unit set ICTCBL2005A, ICTCBL2006A, ICTCBL2008A and ICTCMP2022A has been selected, unit ICTCBL2136A cannot also be selected as an elective unit.

CORE UNITS

BSBSUS201A Participate in environmentally sustainable work practices

ICTOHS2170A Follow occupational health and safety and environmental policy and procedures

ICTTEN2007A Use electrical skills in telecommunications work

ICTTEN2105A Install and test an internet protocol device in convergence networks

ICTTEN2140A Use hand and power tools

ELECTIVE UNITS

Group A - Workplace elective units

BSBCUS201B Deliver a service to customers

BSBSMB306A Plan a home based business

ICTWOR2141A Work effectively in a telecommunications technology team

Group B - General elective units

Cabling

ICTCBL2005A Install customer cable support systems

ICTCBL2006A Place and secure customer cable

ICTCBL2008A Terminate metallic conductor customer cable

ICTCBL2016A Joint metallic conductor cable on customer premises

ICTCBL2017A Alter services to existing cable system

ICTCBL2064A Haul underground cable

ICTCBL2066A Joint and terminate coaxial cable

ICTCBL2068A Install telecommunications services to a building

ICTCBL2131A Install an above ground equipment enclosure

ICTCBL2132A Erect aerial cable supports

ICTCBL2133A Construct underground telecommunications infrastructure

ICTCBL2134A Fix aerial cable

ICTCBL2136A Install, maintain and modify customer premises communications cabling:

ACMA

Restricted Rule

ICTCBL2139A Apply safe technical work practices for cabling registration

ICTCBL2162A Install a cable lead-in

Compliance

ICTCMP2022A Organise and monitor cabling to ensure compliance with regulatory and industry standards

Digital reception technology

ICTCBL2162A Install a cable lead-in

ICTRFN2163A Install a satellite antenna

ICTRFN2164A Install a terrestrial antenna

ICT use

ICAI2015B Install software applications

ICAS2014B Connect hardware peripherals

Occupational health and safety

ICTOHS2080A Provide telecommunications services safely on roofs

ICTOHS2153A Work safely near power infrastructure

CPCCOHS1001A Work safely in the construction industry

Project management

ICTPMG2130A Prepare site for support installation

ICTPMG2173A Plan, organise and undertake work activities

Radio frequency networks

ICTRFN2163A Install a satellite antenna

ICTRFN2164A Install a terrestrial antenna

Telecommunications engineering networks

ICTTEN3056A Install telecommunications network equipment

ICTTEN3074A Recover customer premises equipment

(IP networks)

ICTTEN2207A Install and configure a home or small office network

ICTTEN2208A Install and configure a small to medium business network

ICTTEN2209A Build and maintain a secure network

ICTTEN2218A Operate new media software packages