



Australian Government

ICT20213 Certificate II in Telecommunications

Release 1

ICT20213 Certificate II in Telecommunications

Modification History

Release	Comments
Release 2	This version first released with <i>ICT10 Integrated Telecommunications Training Package Version 3.0</i> . Change in WHS core unit.
Release 1	This version first released with <i>ICT10 Integrated Telecommunications Training Package Version 1.0</i> .

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 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

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 ICT20213 Certificate II in Telecommunications, candidates may undertake ICT30213 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

The completion of unit ICTWHS2170B and the four unit set ICTCBL2005B, ICTCBL2006B, ICTCBL2008B and ICTCMP2022B 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 ICT20313 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 (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, Plumbing and Services Training Package fulfils this requirement.

Entry Requirements

There are no entry requirements for this qualification.

Employability Skills Summary

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

CORE UNITS

BSBSUS201A Participate in environmentally sustainable work practices

ICTTEN2008A Use electrical skills in telecommunications work

ICTTEN2140B Use hand and power tools

ICTTEN2219A Install and test internet protocol devices in convergence networks

ICTWHS2170B Follow work health and safety and environmental policies and procedures

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

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

ICTCBL2017B Alter services to existing cable system

ICTCBL2064A Haul underground cable

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 when configuring ADSL circuits
ICTCBL2163A Install a cable lead-in

Compliance

ICTCMP2239B Perform restricted customer premises broadband cabling work: ACMA
Restricted Rule
ICTCMP2022B Organise and monitor cabling to ensure compliance with regulatory and industry standards

Digital reception technology

ICTCBL2163A Install a cable lead-in
ICTRFN2163B Install a satellite antenna
ICTRFN2164B Install a terrestrial antenna

ICT use

ICAICT206A Install software applications
ICASAS203A Connect hardware peripherals

Occupational health and safety

CPCCOHS1001A Work safely in the construction industry
ICTOHS2153B Work safely near power infrastructure
ICTOHS2080A Provide telecommunications services safely on roofs

Project management

ICTPMG2130A Prepare site for support installation
ICTPMG2173A Plan, organise and undertake work activities

Radio frequency networks

ICTRFN2163B Install a satellite antenna
ICTRFN2164B 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