



Australian Government

ICT20413 Certificate II in Telecommunications Digital Reception Technology

Release 1

ICT20413 Certificate II in Telecommunications Digital Reception Technology

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 of installation of a limited range of digital reception equipment for either a customer or an enterprise. They would perform limited fault finding on a range of digital reception equipment for both cable TV and free to air TV reception.

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:

- TV and digital TV antenna installer
- subscription TV installer
- satellite TV installer
- free to air TV installer.
-

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 ICT20413 Certificate II in Telecommunications Digital Reception Technology, candidates may undertake ICT30413 Certificate III in Telecommunications Digital Reception Technology, a qualification for those seeking to develop more specialised technical skills and knowledge, or a range of other Certificate III qualifications.

Licensing/Regulatory Information

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 • providing correct literature to the customer, including explanatory booklets, manuals, training aids, user guides, equipment plans and configuration • providing feedback to customers on operating the equipment
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 • applying interpersonal skills with clients, employer, supervisors, work associates, team members and other contractors
Problem solving	<ul style="list-style-type: none"> • determining cable routes and antenna siting taking into account building services, safety, industry codes and practices, and customer requirements • following up promptly on difficulties and known problem areas • ranking likely causes of fault in order of probability to ensure a methodical approach to fault identification
Initiative and enterprise	<ul style="list-style-type: none"> • identifying issues and possible solutions within established guidelines • providing customers with temporary or replacement equipment similar to existing equipment • regularly verifying continued existence of problem
Planning and organising	<ul style="list-style-type: none"> • planning and organising installation and operation of TV equipment and products • prioritising work according to organisation guidelines
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 • interpreting and applying relevant regulations and standards • applying all related WHS requirements and work practices
Learning	<ul style="list-style-type: none"> • seeking assistance from team members • giving and receiving feedback

Employability Skill	Industry/enterprise requirements for this qualification include:
	<ul style="list-style-type: none">• providing suitable training and assessment opportunities for work team members• providing training to customers on system, product, product features and facilities
Technology	<ul style="list-style-type: none">• installing and operating TV equipment and products• checking tools and test equipment for accuracy• identifying, replacing or repairing faulty parts and equipment

Packaging Rules

Total number of units = 12

8 core units, plus

1 elective unit from Group A workplace units, plus

1 elective unit from Group B specialist units, plus

2 elective units from Group C 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 C 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. One of those two units from Group C general elective units may be substituted with a Group A workplace elective unit where required by a specific job role.

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

CORE UNITS

BSBSUS201A Participate in environmentally sustainable work practices

ICTCBL3011B Install and terminate coaxial cable

ICTDRE3156B Install digital reception equipment

ICTDRE3157B Locate and rectify digital reception equipment faults

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

BSBSMB305A Comply with regulatory, taxation and insurance requirements for the micro business

BSBSMB306A Plan a home based business

ICTEDU3053A Train customers in new technology

ICTPMG2173A Plan, organise and undertake work activities

ICTSMB4160A Set up and operate a contractor business

ICTWOR2141A Work effectively in a telecommunications technology team

Group B - Specialist elective units

ICTCBL2163A Install a cable lead-in

ICTRFN2163B Install a satellite antenna

ICTRFN2164B Install a terrestrial antenna

Group C - General elective units

Cabling

ICTCBL2016A Joint metallic conductor cable on customer premises

ICTCBL2017B Alter services to existing cable system

ICTCBL2066B Joint and terminate coaxial 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

ICTCBL3015A Locate and identify cable system faults

Compliance

ICTCMP2022B Organise and monitor cabling to ensure compliance with regulatory and industry standards

ICT use

ICAICT206A Install software applications

ICASAS203A Connect hardware peripherals

Occupational health and safety

ICTOHS2080A Provide telecommunications services safely on roofs

ICTOHS2153B Work safely near power infrastructure

CPCCOHS1001A Work safely in the construction industry

Selecting electives for different outcomes

The context of this qualification varies and this must guide the selection of elective units.

The following examples are designed to assist in the selection of appropriate electives for particular outcomes at this level but they are in no way prescriptive.

Antenna installer

Core units plus one Group A workplace elective unit plus:

- ICTRFN2164B Install a terrestrial antenna
- two Group C general elective units

Contractor

Core units plus one Group B specialist elective unit as appropriate to the specific job role plus:

- ICTSMB4160A Set up and operate a contractor business
- two Group C general elective units

Free to air TV installer

Core units plus one Group A workplace elective unit plus:

- ICTRFN2163B Install a satellite antenna
- two Group C general elective units

Subscription TV installer

Core units plus one Group A workplace elective unit plus:

- ICTCBL2163A Install a cable lead-in
- two Group C general elective units