



Australian Government

ICTCMP203 Perform restricted customer premises broadband cabling work: ACMA Restricted Rule

Release: 1

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Modification History

Release	Comments
Release 1	This version released with ICT Information and Communications Technology Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to install simple point-to-point broadband cabling on customer premises.

The unit applies to technical staff who install and terminate new installations or upgrades, or maintain existing networks in domestic premises. These may include small offices, home offices and small commercial premises that do not have a main distribution frame (MDF) or jumperable distributor as the network boundary point.

Licensing, legislative, regulatory and certification requirements apply to telecommunications systems. Work functions in the occupational areas where this unit may be used are subject to regulatory requirements. All customer cabling work in the telecommunications, fire, security and data industries must be performed by a registered cabler. All cablers are required to register with an Australian Communications and Media Authority (ACMA) accredited registrar. Refer to the ICT Information and Communications Technology Training Package Companion Volume Implementation Guide or the relevant regulator for details of licensing, legislative or certification requirements.

Pre-requisite Unit

ICTCBL246 Install, maintain and modify customer premises communications cabling:
ACMA Restricted Rule

OR

ICTCBL239 Install customer cable support systems
and ICTCBL240 Place and secure customer cable
and ICTCBL241 Terminate metallic conductor customer cable
and ICTCMP201 Organise and monitor cabling to ensure compliance with regulatory and industry standards

Unit Sector

Telecommunications – Compliance

Elements and Performance Criteria

Element	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for installation	1.1 Access site according to enterprise procedures 1.2 Organise tools and equipment for specialised broadband cabling for restricted cabling work 1.3 Review site according to work health and safety (WHS) and environmental requirements and identify hazards 1.4 Determine cable route and cabling environment meet manufacturer specifications, industry standards and regulatory requirements
2. Install broadband cable	2.1 Place and secure correct cable type according to accepted industry practice, relevant regulations and standards 2.2 Maintain cable and service separations in runs and crossovers to meet manufacturer specifications and relevant legislation, regulations, codes and standards 2.3 Fit over-voltage protection devices to cables and metallic components as required
3. Terminate and test broadband cable	3.1 Terminate cable according to accepted industry practice and relevant legislation, regulations, codes and standards 3.2 Maintain correct twist ratio to optimise system performance at rated level 3.3 Conduct verification and qualification testing of cable installation and termination with suitable tester and record results 3.4 Supply system performance documents to customer and outline results 3.5 Complete cabling records and telecommunications cabling advice forms (TCA1) according to industry standards

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance, but not explicit in the performance criteria.

Skill	Description
Reading	Evaluates information and products from a variety of sources to ensure appropriateness to customer needs and specifications
Writing	Prepares documentation and correspondence using clear language, correct spelling and accurate terminology
Numeracy	Makes calculations appropriate for measuring and estimating materials for installations
Navigate the world of work	Understands rights and responsibilities and complies with legal and regulatory requirements
Get the work done	- Plans and implements routine tasks and workload making limited decisions on sequencing, timing and collaboration, seeking assistance in setting priorities - Responds to predictable routine problems and implements solutions - Makes decisions within familiar situations, based on a range of predefined or routine solutions

Unit Mapping Information

ICTCMP203 Perform restricted customer premises broadband cabling work: ACMA Restricted Rule supersedes and is equivalent to ICTCMP202 Perform restricted customer premises broadband cabling work: ACMA Restricted Rule.

Links

Companion Volume Implementation Guides are available from VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>

Assessment Requirements for ICTCMP203 Perform restricted customer premises broadband cabling work: ACMA Restricted Rule

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Performance Evidence

The candidate must demonstrate the ability to perform the tasks outlined in the elements, performance criteria, and foundation skills, and to:

- review site and determine cable requirements for installation
- comply with all related work health and safety (WHS) requirements and work practices
- install and terminate fixed broadband cable according to industry standards and manufacturer specifications
- terminate point-to-point data and cable
- verify installed network is working and able to access the internet
- perform a data rate qualification test and record test results
- provide report to customer, documenting installation and test results, according to industry standards.

Note: Evidence must be provided at least once when a specific volume or frequency is not stated.

Knowledge Evidence

The candidate must demonstrate the knowledge required to perform the tasks outlined in the elements, performance criteria, and foundation skills, which includes knowledge about:

- legislation, regulations, codes, standards, rules, guidance notes and other formal agreements that impact on work, in particular:
 - Australian Communications and Media Authority (ACMA) cabling provider rules, cabler registration rules, regulations and standards
 - hazards and work health and safety (WHS) regulations and environmental requirements relating to cabling activities and site conditions
- types of cable test methods and system performance requirements
- types of cabling situations and the resultant installation requirements

- features and operating requirements of applicable test equipment
- information required to operate equipment according to a test specification
- manufacturer requirements for safe operation of equipment
- techniques for terminating data cable
- typical installation issues and challenges that may occur on cabling worksites
- tools and equipment required for cabling works
- cable separations and over-voltage protection requirements necessary for specific cable installations.

Assessment Conditions

Skills must be assessed in a workplace or simulated environment where conditions are typical of those in a telecommunications work environment or workplace.

Access is required to:

- site/s where installation and termination of cabling can be conducted
- current tools, testing equipment and personal protective equipment used in industry
- relevant regulatory and equipment documentation that impact installation activities.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards. Refer also to the *Requirements for assessors* in the ICT Information and Communications Technology Training Package Companion Volume Implementation Guide.

Links

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