



Australian Government

ICTCBL202 Place and secure customer cable

Release: 1

ICTCBL202 Place and secure customer cable

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 2.0.

Application

This unit describes the skills and knowledge required to install customer cable infrastructure. It involves selecting cable route, setting up cable dispensers and placing and securing cable.

It applies to individuals who work in technical roles and who may be required to do new installations, upgrades or maintain existing networks in domestic, commercial and industrial installations. Communications applications include digital and analog, telephony, data, video, digital broadcasting, computer networks, local area networks (LAN), wide area networks (WAN) and multimedia.

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.

Unit Sector

Telecommunications – cabling

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 task and identify cable route	1.1 Arrange access to site according to customer instructions, required procedures, site security arrangements and relevant legislation, codes, regulations and standards 1.2 Notify appropriate personnel of identified safety hazards at cabling worksite 1.3 Plan cable route, identifying and avoiding other services and remote power feeding services operating at above telecommunications network voltage (TNV) on site in commercial buildings

ELEMENT	PERFORMANCE CRITERIA
	1.4 Select cable route to maintain required clearances and segregations according to cable plan and complying with relevant industry standards 1.5 Confirm cable route and requirements with customer 1.6 Select tools, equipment and cables for installation of support system from work specifications and schedules
2. Set up cable dispensers	2.1 Determine feeder locations to minimise wastage of cable and efficiency 2.2 Set up feeders in locations to provide ease of access during hauling of cable 2.3 Secure feeder locations to minimise safety risks during installation 2.4 Label hauling end of cable with unique identifier prior to placement
3. Place and secure cable	3.1 Haul and place cable in safe manner within clearances required by industry standards, and manufacturer and work specifications 3.2 Place cable in neat, orderly and methodical manner, allowing sufficient excess at cable ends to facilitate termination 3.3 Inspect cable to maintain separations to comply with regulations 3.4 Install barriers to achieve separations where sufficient spatial separation cannot be met with other services 3.5 Install and trim securing anchors promptly to restrain cable movement to manufacturer's specifications
4. Complete cable installation	4.1 Update records and cable plans promptly and accurately 4.2 Store records and plans according to customer and company requirements 4.3 Remove installation waste and debris from worksite and dispose of according to environmental requirements to maintain safe worksite conditions

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance	Description
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	Criteria	
Reading	1.1, 1.3, 1.4, 1.6, 4.2	- Interprets textual information from relevant sources to identify relevant and key information - Reads and interprets plans to help to determine cable layout
Writing	1.2, 2.4, 4.1	Uses clear, specific and industry related terminology to complete workplace documentation
Oral Communication	1.1, 1.2, 1.5	- Provides information using appropriate language for the environment and purpose - Uses listening and questioning techniques to confirm understanding
Numeracy	2.1	Takes readings and measurements and interprets results
Navigate the world of work	1.1, 2.3, 3.1, 3.3, 3.5, 4.3	Complies with explicit policies, procedures and legislative requirements relevant to own role
Interact with others	1.1, 1.2, 1.5	Identifies and follows accepted communication practices and protocols when liaising with internal and external personnel on technical and operational matters
Get the work done	1.3, 1.4, 1.6, 2.1-2.4, 3.2, 3.4, 4.1, 4.2	- Determines job sequence and works logically and systematically to undertake clearly defined tasks - Analyses task requirements to decide on appropriate equipment and practices

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTCBL202 Place and secure customer cable	ICTCBL2006B Place and secure customer cable	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>

Assessment Requirements for ICTCBL202 Place and secure customer cable

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Performance Evidence

Evidence of the ability to:

- plan cable placement and discuss the installation requirements with appropriate personnel
- organise tools, equipment and materials for cable installation according to specifications
- set up cable dispensers for internal or external premises structures or aerial and underground cabling between premises
- haul and install cables on support structures and building faces for both internal and external locations, applying relevant regulations and standards
- install securing methods for above locations
- complete records and relevant statutory forms
- comply with all related work health and safety (WHS) requirements and work practices.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- summarise building construction of commercial buildings
- examine cable and services segregation clearances to ensure cable route complies with manufacturer, enterprise, legislative and industry codes of practice
- describe features and operating requirements of equipment
- indicate the information required to operate appropriate equipment according to specifications
- explain installation methods and performance requirements
- outline legislation, codes of practice and other formal agreements that impact on cable installation
- state manufacturer's requirements for safe operation of equipment
- describe the common methods of hauling cable

- discuss typical damage that can occur to cable when it is hauled incorrectly
- discuss specific WHS requirements relating to the activity and site conditions
- discuss typical safety issues and challenges that occur on cable installation sites.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the telecommunications – cabling field of work and include access to:

- sites where placing and securing customer cable may be conducted
- equipment currently used in industry
- relevant regulatory and equipment documentation that impacts on cable installation activities.

Note: Work functions in the occupational areas where this unit may be used are subject to regulatory requirements. Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Refer to the ICT Implementation Guide Companion Volume for recommended assessor details.

Links

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