Australian Government

ICTCBL210 Install a telecommunications service to a building

Release: 2

ICTCBL210 Install a telecommunications service to a building

Modification History

Release	Comments
Release 2	This version released with ICT Information and Communications Technology Training Package Version 5.0.
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 a telecommunications service to a building to provide a new service or a service upgrade.

It applies to individuals who work in technical roles that require bringing a telecommunications service from the broader network to a client's premises using metallic or optical cable or wireless connection.

Work functions in the occupational areas where this unit may be used are subject to regulatory requirements. Refer to the ICT Implementation Guide Companion Volume or the relevant regulator for details of licensing, legislative or certification requirements.

Unit Sector

Telecommunications – cabling

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Prepare service installation	1.1 Arrange access to site with client and obtain job specifications
	1.2 Notify supervisor of identified safety hazards at worksite according to work health and safety (WHS) and environmental requirements
	1.3 Use installation specifications to determine type of services,

ELEMENT	PERFORMANCE CRITERIA
	network cables and equipment required for installation
	1.4 Select cables and equipment that comply with functionality and compatibility of existing installation
	1.5 Select and obtain tools and equipment to carry out installation activity
2. Install cable and equipment to building	2.1 Locate, connect and check cables at entry into network for transmission quality and continuity where service to building exists
	2.2 Install cable and equipment, and seal cable entry to building in safe manner according to installation plans and Australian Communications and Media Authority (ACMA) standards
	2.3 Test overall functionality of new service to meet installation specifications
	2.4 Rectify faults if required and minimise interruption to existing service in agreement with client
	2.5 Install lightning protection, where required, according to enterprise guidelines and industry practice
3. Complete records and clean up site	3.1 Label cable pairs clearly to provide accurate identification according to manufacturer's, industry and client standards
	3.2 Update records and plans with installation details to provide accurate record according to industry codes of practice and current Australian Standards
	3.3 Remove installation waste and debris from worksite and dispose of according to environmental requirements to maintain safe worksite conditions
	3.4 Complete Telecommunications Cabling Advice (TCA) forms and present to client to obtain sign off

Foundation Skills

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

Skill	Description
Reading	• Interprets textual information from relevant sources to identify relevant and key information
Writing	• Uses clear, specific and industry related terminology to complete workplace documentation

     Future Skills Organisation

Oral Communication	• Articulates clearly using appropriate language for the environment • Uses listening and questioning techniques to confirm understanding
Numeracy	• Takes readings and measurements and interprets results
Navigate the world of work	• Complies with explicit policies, procedures and legislative requirements relevant to own role
Interact with others	• Identifies and follows accepted communication practices and protocols when liaising with clients, internal and external personnel on technical and operational matters
Get the work done	• Determines job sequence and works logically and systematically to undertake clearly defined tasks • Analyses task requirements to decide on appropriate equipment and practices • Applies standard diagnostic practices to identify and rectify faults

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTCBL210 Install a telecommunications service to a building (Release 2)	ICTCBL210 Install a telecommunications service to a building (Release 1)	Updates to element knowledge evidence and foundation skills. Updates to template to apply consistent format between units.	Equivalent unit

Links

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