ICTCBL325 Maintain cable network

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 maintain indoor or outdoor, domestic, commercial or industrial cable network on customer premises or service provider access networks. This may include communications applications in telephony, broadband, data, video, radio frequency (RF) equipment, security and computer networks, including local area networks (LANs), wide area networks (WANs) and multimedia.

It applies to technicians and lines workers who install and maintain network cable equipment within the broadband infrastructure deployment. They may upgrade a coaxial or optical fibre cable as part of a hybrid fibre coaxial (HFC) network, a broadband access network or a large customer private network.

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 specific guidance on 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 for cable maintenance	1.1 Scope work by obtaining project plan from appropriate personnel and arrange for site access according to security arrangements
	1.2 Notify appropriate personnel of identified worksite hazards
	1.3 Determine cable route and type of cable from schedule, and

ELEMENT	PERFORMANCE CRITERIA
	identify and avoid other services
	1.4 Obtain plant, tools, safety equipment and material to perform tasks safely and efficiently
2 Maintain cables, cable supports and enclosures	2.1 Clean area of debris, vegetation and foreign matter as required
	2.2 Conduct visual inspections of cable infrastructure, enclosures and carrier interfaces for assessment of evident damages according to enterprise guidelines, and notify appropriate personnel
	2.3 Check customer interface units for correct operation and rectify identified faults
	2.4 Undertake remedial action on damages according to warranties and service level agreements, prior to maintenance routine
	2.5 Perform maintenance tasks and tests in a safe manner and note activities on maintenance schedule
3 Complete maintenance documentation	3.1 Record test results, maintenance activities and corrective actions for future reference and complete maintenance schedule attendance chart according to enterprise requirements
	3.2 Recover obsolete materials and return to appropriate point for disposal
	3.3 Restore site according to enterprise or approving authority requirements and customer satisfaction
	3.4 Notify appropriate personnel of job completion and obtain sign-off

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	• Reads and interprets plans, specifications and other documentation from a variety of sources and consolidates information to determine requirements • Analyses and consolidates test results and data from a range of sources, against defined criteria and requirements
Writing	• Prepares documentation and correspondence using clear language and correct spelling and terminology • Documents outcomes and changes to plans using industry relevant

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Skill	Description
	terminology and recognised plan symbols
Oral Communication	• Conveys and clarifies information effectively to a range of personnel using collaborative techniques, including active listening and questioning • Presents complex information in formal situations using clear and convincing language, tone and pace appropriate for the audience and purpose
Numeracy	• Makes calculations appropriate for measuring and estimating materials for maintenance works • Performs mathematical calculations to check, interpret and confirm results of system tests
Navigate the world of work	• Takes personal responsibility for following explicit and implicit policies, procedures and legislative requirements • Identifies and acts on issues that contravene relevant policies, procedures and legal requirements
Interact with others	• Uses a range of strategies, reads verbal and non-verbal signals, establishes a sense of connection and builds rapport with customers and co-workers
Get the work done	• Takes responsibility for planning, sequencing and prioritising tasks and own workload for efficiency and effective outcomes • Addresses less predictable problems and initiates standard procedures in response, applying problem solving processes in determining solutions

Unit Mapping Information

ICTCBL325 Maintain cable network supersedes and is equivalent to ICTCBL315 Maintain cable network.

Links

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

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