



Australian Government

ICTCBL309 Construct aerial cable supports

Release: 1

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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 aerial cable supports in domestic, commercial or industrial communications applications, including digital and analog, telephony, data, video, digital broadcasting, master antenna television (MATV), cable television (CATV), closed-circuit television (CCTV), long term evolution (LTE) computer networks, local area networks (LAN), wide area networks (WAN) and multimedia.

It applies to technical staff installing aerial cable for client and carrier networks. Installations are completed outdoors on a client's premises using basic rigging procedures, methods and equipment for working safely at heights.

Work functions in the occupational areas where this unit may be used are subject to regulatory requirements. Refer to the Implementation Guide Companion Volume or the relevant regulator for specific guidance on requirements.

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 site for installation	1.1 Prepare for given work according to relevant legislation, codes, regulations and standards 1.2 Arrange access to site according to required procedure 1.3 Verify aerial cable support installation requirements according to appropriate plans and recognise constraints 1.4 Obtain information on location of other services from relevant

ELEMENT	PERFORMANCE CRITERIA
	authorities 1.5 Inform appropriate personnel of existing and potential hazards on worksite 1.6 Assess support structure as safe for normal working conditions 1.7 Set up cable support installation equipment according to manufacturer's requirements and enterprise guidelines
2. Install aerial support structures	2.1 Select type of aerial cable support for catenary wire or integrated bearer installation 2.2 Use basic rigging procedures, methods and equipment for working safely at heights 2.3 Erect barriers according to safety requirements 2.4 Construct support foundations to specifications and provide for safe and secure operation of support structure 2.5 Install aerial cable supports securely following work health and safety (WHS) and environmental requirements according to plan and manufacturer's specifications
3. Restore site and complete documentation	3.1 Reinstate site to identified requirements 3.2 Complete reports on installation and design amendments and file according to enterprise requirements 3.3 Notify client and 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	Performance Criteria	Description
Reading	1.1, 1.3, 1.4, 1.7, 2.1, 2.4, 2.5	Analyses plans and other documentation from a variety of sources and consolidates information to determine construction requirements
Writing	1.2, 1.5, 3.2	Accurately records and completes organisational documents and correspondence using clear language and correct spelling, grammar and terminology
Oral Communication	1.5, 3.3	Interacts effectively in verbal exchanges using active listening, questioning and reading of verbal and

		non-verbal signals to convey and clarify information Clearly explains detailed information using language, tone and pace appropriate to the audience
Numeracy	2.4, 2.5	- Takes measurements and use them for work layout and construction - Make calculations appropriate for measuring and estimating materials for construction
Navigate the world of work	1.1, 1.2, 1.4, 1.7, 2.3, 2.5, 3.2	- Takes personal responsibility for following explicit and implicit policies, procedures and legislative requirements - Seeks advice and clarification for new activities
Interact with others	1.5, 3.3	Uses a range of strategies to establish a sense of connection and build rapport with clients and work colleagues
Get the work done	1.1-1.4, 1.6, 1.7, 2.2-2.5	- Takes responsibility for planning, sequencing and prioritising tasks and own workload for efficiency and effective outcomes - Makes decisions and implements standard procedures for routine tasks, using formal decision making processes for more complex and non-routine situations - Accepts responsibility for addressing less predictable problems and applies problem solving processes in determining a solution

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTCBL309 Construct aerial cable supports	ICTCBL3020A Construct aerial cable supports	Updated to meet Standards for Training Packages Performance Criteria clarified	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 ICTCBL309 Construct aerial cable supports

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Performance Evidence

Evidence of the ability to:

- prepare site for aerial cable support construction, ensuring all relevant authorities have been notified and approvals obtained prior to commencement
- install aerial support structures using pole and wall supports, applying all related health and safety requirements and work practices
- use rigging procedures, methods and equipment for working safely at heights
- restore site and complete documentation.

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:

- describe the Australian Communications and Media Authority (ACMA) regulation requirements for Telecommunications Cabling Provider Rules as they apply to aerial cabling
- recognise the features and operating requirements of cable supports and installation equipment
- outline the legislation, codes of practice and other formal agreements that impact on aerial cable supports
- outline the requirements for safe operation of equipment
- describe the safety precautions required when working at heights
- specify other health and safety requirements relating to the activity and site conditions
- identify typical issues and challenges that occur on the work site.

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 construction of aerial cable supports may be conducted
- aerial support installation equipment currently used in industry
- relevant regulatory and equipment documentation that impacts on aerial cable installation activities.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>