



**Australian Government**

# **ICTCBL212 Erect aerial cable supports**

**Release: 1**

# ICTCBL212 Erect aerial cable supports

## 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 skills and knowledge required to erect cable supports in small aerial client installations and access networks where they may be required to do new installations, upgrades or maintain existing networks in domestic, commercial and industrial installations to deliver services in xdigital subscriber lines (xDSL), fibre to the home (FTTH) and hybrid fibre coaxial (HFC) networks.

It applies to individuals working as telecommunications linesmen and line installers who make use of aerial support structures and specialist tools.

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                                                                                                                                                                                                                                                                |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                              |
| 1. Prepare to install aerial cable structure     | 1.1 Obtain construction plan from appropriate personnel to scope work and arrange for site access<br>1.2 Notify appropriate personnel of identified safety hazards at cabling worksite<br>1.3 Determine cable route from construction plan, identifying and avoiding other services |

| ELEMENT                              | PERFORMANCE CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                      | 1.4 Obtain plant, tools, safety equipment and material to perform tasks safely and efficiently                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2. Install aerial support structures | 2.1 Use tools according to enterprise guidelines and work health and safety (WHS) regulations<br>2.2 Erect safety barriers according to enterprise guidelines to secure site<br>2.3 Excavate hole to specifications and according to enterprise guidelines for erection of mounting pole<br>2.4 Install pole using mechanical lifting devices according to enterprise guidelines<br>2.5 Install fixing structures on pole securely according to manufacturer's specifications<br>2.6 Install aerial fixing devices where support is other than pole according to enterprise guidelines |
| 3. Complete project                  | 3.1 Complete reports according to enterprise policy and record alterations to plans using appropriate symbols<br>3.2 Recover obsolete materials and equipment and return to appropriate point for disposal<br>3.3 Restore site according to requirements of enterprise or approving authority and to client satisfaction<br>3.4 Notify appropriate personnel of job completion 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, 2.3, 2.5, 3.1, 3.4 | <ul style="list-style-type: none"> <li>Interprets information from technical sources to identify relevant and key information</li> </ul>                  |
| Writing  | 1.2, 3.1                     | <ul style="list-style-type: none"> <li>Documents outcomes and changes to plans using industry relevant terminology and recognised plan symbols</li> </ul> |
| Numeracy | 1.3, 2.3                     | <ul style="list-style-type: none"> <li>Interprets scales and ratios on plans</li> <li>Performs basic calculations appropriate to</li> </ul>               |

|                            |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            |                             | measuring and estimating size                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Navigate the world of work | 1.2, 2.1, 3.1, 3.3          | <ul style="list-style-type: none"> <li>Takes personal responsibility for adherence to legal, regulatory and organisational requirements relevant to own work context</li> </ul>                                                                                                                                                                                                                                                                                              |
| Interact with others       | 1.1, 1.2, 3.4               | <ul style="list-style-type: none"> <li>Identifies and follows accepted communication practices and protocols when liaising with clients and internal and external personnel on technical and operational matters</li> </ul>                                                                                                                                                                                                                                                  |
| Get the work done          | 1.1, 1.4, 2.1-2.6, 3.2, 3.3 | <ul style="list-style-type: none"> <li>Determines job sequence and works logically and systematically to undertake clearly defined tasks</li> <li>Analyses task requirements to decide on appropriate equipment and practices</li> <li>Implements actions as per plan, making slight adjustments if necessary, and addressing some unexpected issues</li> <li>Automatically implements standard procedures for routine decisions in response to familiar problems</li> </ul> |

## Unit Mapping Information

| Code and title<br>current version     | Code and title<br>previous version      | Comments                                        | Equivalence status |
|---------------------------------------|-----------------------------------------|-------------------------------------------------|--------------------|
| ICTCBL212 Erect aerial cable supports | ICTCBL2132A Erect aerial cable supports | 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 ICTCBL212 Erect aerial cable supports

## Modification History

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## Performance Evidence

Evidence of the ability to:

- install a pole and aerial fixing device after relevant authorities have been notified and approvals obtained prior to commencement
- demonstrate use of specialised hand or power tools and equipment for the installation of aerial cable supports safely
- apply work health and safety (WHS) requirements and work practices associated with the installation of aerial cable supports, including protective clothing and personal safety items, adequate warning signs and safety devices.

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 features and operating requirements of equipment
- describe the information required to operate equipment according to a specification
- identify legislation, codes of practice and other formal agreements that impact on the work activity
- describe licence requirements for working at heights
- identify the manufacturer's requirements for safe operation of equipment
- identify specific WHS requirements relating to the activity and site conditions
- describe test methods and performance requirements
- identify typical issues and challenges that occur on 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 should be typical of those experienced in the telecommunications – cabling field of work and include access to:

- sites where aerial cable supports may be installed
- plant, tools and equipment to erect aerial supports currently used in industry
- relevant regulatory and equipment documentation that impacts on aerial support erection activities.

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

## Links

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