



Australian Government

ICTCBL317 Cut over metallic conductor cable in the access network

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 3.0.

Application

This unit describes the skills and knowledge required to cut over and rearrange new and existing distribution cables in the telecommunications access network.

It applies to linesworkers, jointers or technicians from carriers, contractors or other service providers who work on new or existing copper cables in the access network.

Work functions in the occupational areas where this unit may be used may be 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 for cable modification and cutover	1.1 Obtain relevant legislation, codes, regulations, client practices, manufacturer's guidelines and standards for for the job. 1.2 Obtain project plan from appropriate personnel and use plan to scope work for job 1.3 Arrange for access to worksite, according to local government or other authority requirements 1.4 Inspect site to develop a work health and safety (WHS) plan and notify appropriate personnel of identified safety hazards 1.5 Determine cable route and type of cable from project plan, taking

ELEMENT	PERFORMANCE CRITERIA
	<p>into account the location of other services</p> <p>1.6 Obtain required plant, tools, safety equipment and materials</p> <p>1.7 Prepare detailed plan of cut over tasks according to project plan, job scope, legislative and other requirements, and obtain necessary approvals</p> <p>1.8 Notify client and network carrier of proposed cutover activity and proposed disruption to services that may impact on their service level agreements (SLAs)</p> <p>1.9 Undertake additional preparatory non-jointing work, as required, according to client practices and site conditions</p>
2. Joint and cut over cable	<p>2.1 Prepare cabinet, joint enclosure and jointing chambers for cable handling, entry and sealing requirements</p> <p>2.2 Joint cable according to jointing sequence, materials, connectors and joint type, location, client practices and manufacturer's guidelines</p> <p>2.3 Test cable for performance and rectify cutover faults relating to cutover according to location, materials available and client practices, and record test results for future reference</p> <p>2.4 Seal all joints according to cable type, location, client practices and manufacturer's guidelines</p>
3. Clean up worksite and complete documentation	<p>3.1 Complete reports on cutover installation and design amendments to reflect existing cable layout</p> <p>3.2 Place and secure cables to supports in jointing chamber or cabinet according to client practices</p> <p>3.3 Mark up As Built plans for return to client for their records</p> <p>3.4 Recover obsolete materials and return to appropriate point for disposal</p> <p>3.5 Restore site according to client practices or approving authority requirements</p> <p>3.6 Notify appropriate personnel about completion of cutover and obtain sign off</p>

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, 1.2, 1.4, 1.5, 1.7, 1.8, 2.3, 2.4, 3.1, 3.3, 3.4	<ul style="list-style-type: none"> Interprets plans, specifications and other documentation from various sources Consolidates information to determine requirements
Writing	1.2, 1.3, 1.7, 1.8, 3.1, 3.3, 3.6	<ul style="list-style-type: none"> Documents outcomes and changes to plans using industry relevant terminology and recognised plan symbols Prepares documentation and correspondence using clear language and correct spelling
Oral Communication	1.2, 1.3, 1.6, 1.7, 1.8, 3.6	<ul style="list-style-type: none"> Interacts effectively in verbal exchanges using appropriate language, and listening and questioning skills to convey and clarify information
Numeracy	1.4, 1.5, 1.6, 2.3, 2.4	<ul style="list-style-type: none"> Makes calculations required for measuring and estimating materials for construction Performs mathematical calculations to check, interpret and confirm results of system tests
Navigate the world of work	1.1, 1.3, 1.7, 1.9, 2.2, 2.3, 2.4, 3.2, 3.4, 3.5	<ul style="list-style-type: none"> Complies with policies, procedures and legislative requirements relevant to own role
Interact with others	1.2, 1.3, 1.7, 1.8, 3.1, 3.3, 3.6	<ul style="list-style-type: none"> Uses appropriate practices and protocols to communicate effectively with colleagues, clients and others
Get the work done	1.1, 1.2, 1.3, 1.5, 1.6, 1.7, 1.8, 1.9, 2.2, 2.3, 2.4, 3.3, 3.6	<ul style="list-style-type: none"> Plans, sequences and carries out tasks to meet required outcomes Analyses task requirements to decide on appropriate equipment and practices Uses problem solving processes to address less predictable problems, referring to standard procedures to determine solutions

Unit Mapping Information

Code and title Current version	Code and title Previous version	Comments	Equivalence status
ICTCBL317 Cut over metallic conductor cable in the access network	Not applicable	New unit to address industry skill needs.	No equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

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