



Australian Government

ICTNPL411 Apply compliance requirements to telecommunications work

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 satisfy the regulatory environment in the planning, design and installation of telecommunications equipment and infrastructure.

It applies to individuals with the organisational, economic and regulation skills to enable them to plan and design the access network infrastructure of private and/or carrier service providers. These individuals may be responsible for small projects or parts of larger projects and for the operation and engineering of the enterprise and telecommunications network in general.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Telecommunications – Network Planning

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. Evaluate design for activities subject to standards, regulations, codes of practice and legislation	1.1 Research the range of activities subject to regulations, standards, legislation and codes of practice for their design 1.2 Examine organisational procedures developed to deal with these requirements. 1.3 Examine construction requirements for each activity and determine any applicable regulations, codes or practices, 1.4 Access knowledge bases, authorities and records for areas and

	activities covered by these requirements, 1.5 Examine public records for planning restrictions that may impact the design and construction of a telecommunications network
2. Evaluate design for activities that require approval to enter land or premises	2.1 Determine the rights of entry and notifications necessary to enter property for the purpose of designing telecommunications facilities 2.2 Examine what courses of action are available in case of dispute 2.3 Access legislation governing carriers and service providers in Australia to determine the rights of carriers and service providers in installing facilities under Commonwealth legislation 2.4 Determine activities that must be undertaken during survey and construction to meet the various requirements
3. Examine processes necessary to facilitate completion of a design to meet the relevant regulatory environments	3.1 Discuss with governing authorities, consultants and other industry experts the steps necessary to meet the legislative requirements of a designer and constructor of the network infrastructure design 3.2 Initiate studies and information gathering activities to develop a design which is compliant to the requirements 3.3 Produce a report of work activities incorporating enterprise-specific policies and procedures underpinned by regulatory and compliance obligations 3.4 Compare the newly developed solutions to meet regulatory environments with financial plans to meet budgetary requirements for the design project
4. Complete legally binding agreements and document all procedures	4.1 Gather all reports and studies to support the design and construction activities and incorporate with final design 4.2 Diarise all activities for evidence of compliance with requirements in case of future actions 4.3 Ask relevant parties to sign legally binding documentation to fulfil obligations to access land or premises as required 4.4 Examine what alternative courses of action are available in case of dispute prior to or after an agreement is signed by all parties

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	1.1-1.5, 2.1, 2.3, 3.2, 4.1, 4.4	Selects, synthesises and critically evaluates complex and often technically complex texts, and integrates prior knowledge to improve understanding
Writing	1.1, 3.2, 3.3, 4.1, 4.2	Integrates information and ideas from a range of sources, and documents these in a form appropriate to audience and context
Oral Communication	3.1, 3.2, 4.3	Articulates clearly using specific and relevant language suitable to audience to convey requirements and listening and questioning techniques to confirm understanding
Numeracy	1.1, 1.3, 1.4, 3.1, 3.2, 3.4, 4.1, 4.2	Collects, organises, interprets and communicates mathematical concepts embedded in data and information
Navigate the world of work	1.1-1.5, 2.1, 2.3,	- Recognises and responds appropriately within a complex regulatory environment and identifies issues that may have legal implications - Independently accesses a range of resources to acquire knowledge
Interact with others	2.2, 3.1, 4.3, 4.4	- Actively seeks a range of perspectives as part of work role - Anticipates possible sources of conflict, develops conflict resolution strategies and reflects on effectiveness of dispute resolution processes and actions.
Get the work done	1.1-1.5, 2.1-2.4, 3.1-3.4, 4.1-4.4	- Researches, plans, and manages complex tasks taking into account current and new technology, facilities and features when developing options - Analyses the impact of financial, regulatory, policy, procedures and other factors in planning, and utilises sophisticated problem-solving skills to assess conditions

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
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Code and title current version	Code and title previous version	Comments	Equivalence status
ICTNPL411 Apply compliance requirements to telecommunications work	ICTNPL4247A Apply compliance requirements to telecommunications work	Updated to meet standards for Training Package	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 ICTNPL411 Apply compliance requirements to telecommunications work

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Performance Evidence

Evidence of ability to:

- produce a detailed report from a design, identifying acts and codes of practice for each aspect of a project
- produce a report detailing common construction practices to mitigate the environmental impact of the project
- produce a summary report detailing a designer's and constructor's obligations regarding land access under the telecommunications act and code of practice.

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:

- summarise regulations, standards, legislation and codes of practice relevant to the telecommunications industry
- describe the impact of the following on telecommunications systems and installations:
 - Environmental Protection Authority and legislation
 - waterways and their responsibilities
 - national, state and council regulations
 - National Parks and Wildlife acts
 - ports authority
 - rail authority and their requirements
 - power distribution authority and requirements
 - roads authority
 - footpath allocations
- describe technical compliance requirements for the following:

- separations and depth of cover
- earth potential rise (EPR)
- low frequency induction (LFI)
- describe the framework for the telecommunications industry including its various networks

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 – Network Planning field of work and include access to:

- relevant legislation
- planning processes and telecommunications industry Regulatory Accounting Framework (RAF)
- planning tools
- enterprise-specific investment management system (IMS)
- relevant databases
- licensing requirements
- relevant procedures.

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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