ICTNPL504 Develop planning strategies for building environment design

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 develop planning strategies for the design phase to meet present and future demands, and involves gathering information on network capability, anticipated network deployment demand and scoping design requirements to produce building planning specifications.

It applies to individuals with a high level of specialist technical skills and knowledge in telecommunications and IT networks using internet protocol (IP) systems.

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
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Evaluate building environment requirements	1.1 Utilise network equipment deployment plans to convert network equipment specifications into building requirements data 1.2 Determine planned and forecast network equipment deployment locations and quantities to prioritise tasks 1.3 Formulate justification to proceed by analysing business requirements and benefits to the business 1.4 Analyse current building capacities or capabilities against planned deployment data to determine building environment

	shortfalls or additional needs
	1.5 Determine minimum needs required to address identified building services shortfalls, upgrades or changes
	1.6 Identify relevant standards, business and regulatory requirements that are essential for building plan compliance
2. Scope building design requirements	2.1 Quantify building requirements from known needs to determine if any standard deliverables can be used
	2.2 Assess if requirements can be met using new or alternative solutions
	2.3 Provide estimated costs and schedule to determine a planning solution
	2.4 Prepare a scoping document and supporting documentation with recommendations that complies with deployment standards and regulatory requirements
3. Produce project brief	3.1 Prepare a project scope in required briefing format to present to the design section
	3.2 Plan project delivery to meet any business timing and funding constraints
	3.3 Produce building planning specifications with approvals and present to the building design section to be used for detailed design or construction specifications

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, 1.6, 2.2, 2.4	• Analyses and evaluates complex written and visual text in specialised workplace documentation to determine key information and specific requirements • Evaluates complex text to determine legislative, regulatory and project requirements
Writing	1.3, 2.4, 3.1-3.3	• Develops complex material for a specific audience using clear and detailed language and visuals while employing expected forms and conventions • Prepares reports which incorporate evaluation of

		information and specialised and cohesive language
Oral Communication	1.3, 2.2, 3.3	• Clearly articulates requirements using language appropriate to audience and environment, and participates in a verbal exchange of ideas and solutions
Numeracy	1.1, 1.3, 1.4, 2.1, 2.3, 2.4, 3.1-3.3	• Interprets numerical information and applies appropriate mathematical formulas to calculate different data • Analyses numerical information to measure present and predicted usage and calculates metric measurements, quantities/ratios and financial data using appropriate tools
Navigate the world of work	1.6, 2.4, 3.1	• Takes full responsibility for following policies, procedures and legislative requirements and identifies organisational implications of new legislation or regulation • Identifies and resolves key business issues, processes and practices that may have legal implications • Ensures knowledge of legislative requirements and products is kept up-to-date to provide accurate information
Interact with others	3.1, 3.3	• Selects, implements and seeks to improve protocols governing communications to clients and co-workers in a range of work contexts • Implements strategies for a diverse range of colleagues and clients to build rapport and foster strong relationships
Get the work done	1.2-1.5, 2.1-2.4, 3.2	• Accepts responsibility for planning and sequencing complex tasks and workload, negotiating key aspects with others, taking into account capabilities, efficiencies and effectiveness • Makes critical decisions quickly and intuitively in complex situations, taking into consideration a range of variables, including outcomes of previous decisions • Applies systematic and analytical decision-making processes for complex and non-routine situations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTNPL504 Develop planning strategies for building environment design	ICTNPL5154A Develop planning strategies for building environment design	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