



Australian Government

ICTTEN815 Manage project requirements and process implementations

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 analyse forecast data, develop specifications and resource requirements, and plan implementation of the process solution for products and services.

It applies to individuals with excellent planning and organising skills, working as network engineering staff or senior technical officers within project management roles, who have authority to direct activities of implementation.

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

Unit Sector

Telecommunications – Telecommunications Networks Engineering

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. Manage forecast service demand requirements	1.1 Develop a project plan to review forecasting data and generate planning forecasts using forecasting tools 1.2 Critically analyse and review forecasts according to enterprise policy and produce forecast figures considering new developments in the area and technological changes where appropriate
2. Manage network development growth requirements	2.1 Critically analyse market intelligence on customer demand and demand data to plan for potential network traffic quantity and flow 2.2 Assess overall planning parameters, including approved business

ELEMENT	PERFORMANCE CRITERIA
	plan prior to commencing the planning process 2.3 Critically analyse gathered information and produce a project plan with specifications to meet network growth
3. Manage project resource requirements	3.1 Assess resource requirements to manage the project from the scoping phase through to project completion 3.2 Critically analyse outcomes of the project deliverables to determine effectiveness of the project process
4. Develop process solutions	4.1 Produce requirements for process solutions for delivery of product and services to customers using forecasting demand data 4.2 Prepare a plan for the organisational change control process and integration of new solutions within a complete network infrastructure 4.3 Produce a test management schedule for the testing process of the product solution 4.4 Develop solution specifications using industry process according to design requirements 4.5 Develop software and hardware resource profiling and select a suitable vendor for negotiations 4.6 Complete configuration management and provide complex input design requirements
5. Critically analyse test results for process solutions	5.1 Use design document and integration document software to replicate issues exhibited in test environment 5.2 Certify software solution compatibility and compliance with requirements using web-based test management tool to conduct performance evaluation tests 5.3 Critically analyse test reports to evaluate compatibility and security issues in a test environment 5.4 Resolve complex issues in interface to isolate defects
6. Manage process implementation	6.1 Plan and prepare evidence for customer acceptance and certification 6.2 Plan and manage transition to operation activities required for transition to operation of integrated IP solution 6.3 Prepare an installation failures procedure to make changes while maintaining service levels 6.4 Manage the change implementation plan to maintain system stability

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	1.2, 2.1-2.3, 3.2, 4.4, 5.3	Organises, evaluates and critiques ideas and information from a wide range of complex texts
Writing	1.1, 1.2, 2.3, 4.1-4.4, 6.1, 6.3	Demonstrates sophisticated writing skills by selecting appropriate conventions and stylistic devices to express precise meaning
Numeracy	1.2, 2.1, 3.1, 4.1, 5.3	Analyses and synthesises highly embedded mathematical information in statistical data to apply forecasting techniques and assess planning parameters
Get the work done	1.1, 2.2, 3.1, 4.5, 4.6, 5.1, 5.2, 5.4, 6.1, 6.2, 6.4	- Operates from a broad conceptual plan, developing operational detail in stages, regularly reviewing priorities and performance during implementation, and identifying and addressing issues - Demonstrates a sophisticated understanding of the potential of new technology including principles, concepts, language and practices associated with the digital world - Takes responsibility for high-impact decisions in complex situations involving many variables and constraints - Uses formal, analytical and lateral thinking techniques to manage unexpected changes in demand requirements - Monitors outcomes of decisions, considering results from a range of perspectives, and identifying key concepts and principles and their impact on customers and enterprise

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTTEN815 Manage project requirements and process	ICTTEN7228A Manage project requirements and	Updated to meet Standards for	Equivalent unit

Code and title current version	Code and title previous version	Comments	Equivalence status
implementations	process implementations	Training Packages.	

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 ICTTEN815 Manage project requirements and process implementations

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Performance Evidence

Evidence of ability to:

- manage forecast service demand requirements
- manage network development growth requirements
- manage project resource requirements
- develop process solutions following critical analysis of test results.

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:

- evaluate principles of managing change and implications for managing a project
- summarise customer applications and usage levels
- outline forecasting tools and techniques, and specify data that contributes to forecasting
- explore various industry processes that impact project management strategy
- outline integration of new solutions
- explain market intelligence and its value to forecasting and project assessment
- explore various types of data used to evaluate demand
- summarise performance evaluation
- provide a detailed summary of planning procedures
- describe the limitations of compatibility on the integration of telecommunications solutions
- evaluate products and services embedded in a project
- define project management and evaluate a project management plan
- explain test management.

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 networks engineering field of work and include access to:

- forecast data and tools involved in planning
- a range of software and hardware currently used in industry
- relevant regulations and specifications that impact forecasting 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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