



Australian Government

ICTPRG544 Install, test and evaluate pilot version of ICT systems

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 6.0.

Application

This unit describes the skills and knowledge required to install a pilot version of a developed Information and Communications Technology (ICT) system, test it with a small group of users, and evaluate it against required criteria.

It applies to those who are working in ICT development and deployment roles and required to test and evaluate new systems.

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

Unit Sector

Programming and software development

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 pilot system	1.1 Determine objectives, success and acceptance criteria, and implementation for pilot system according to organisational requirement 1.2 Identify and secure technical and organisational resources required for pilot implementation 1.3 Determine executive support for the pilot 1.4 Develop project plan according to organisational policies and procedures 1.5 Submit project plan to required personnel and seek and respond to feedback
2. Install pilot system	2.1 Install and configure pilot according to project plan 2.2 Verify technical readiness of the pilot against success and

ELEMENT	PERFORMANCE CRITERIA
	acceptance criteria 2.3 Test data accuracy and document outcomes in status report 2.4 Submit document to required personnel and seek and respond to feedback.
3. Test pilot system	3.1 Determine required pilot group release according to project plan 3.2 Determine and document test objectives 3.3 Determine and document new system training brief 3.4 Run the test and document outcomes 3.5 Seek and document test feedback from required personnel
4. Evaluate feedback results	4.1 Identify discrepancies between pilot system test results and pilot system requirements 4.2 Determine and document troubleshooting for discrepancies 4.3 Update and submit documentation to required personnel and obtain finalised task 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	DESCRIPTION
Numeracy	Selects from, and applies, an expanding range of mathematical and problem-solving strategies in a range of contexts
Oral communication	Articulates ideas and requirements, using effective communication techniques and industry standard technical language intended for audience and environment
Reading	Interprets, and critically analyses, complex texts and applies required strategies, to construct meaning from complex texts
Writing	Prepares complex workplace documentation detailing processes and outcomes using required structure, layout and technical programming language
Planning and organising	- Sequences and schedules complex activities, monitors implementation, and manages relevant communication - Uses systematic, analytical processes in complex, non-routine situations, setting goals, gathering relevant information, and identifying, and evaluating, options against the agreed criteria - Uses analytical processes to decide on a course of action, establishing the criteria for deciding between options, and seeking input and advice from others, before taking action when necessary

SKILL	DESCRIPTION
Problem solving	• Uses nuanced knowledge of context to demonstrate knowledge of anomalies and subtle deviations to normal expectations, focusing attention and remedying problems as they arise
Technology	• Understands the key principles and concepts, underpinning the design and operation of digital systems and tools

Unit Mapping Information

Supersedes and is equivalent to ICTPRG517 Install, test and evaluate pilot version of ICT system.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for ICTPRG544 Install, test and evaluate pilot version of ICT systems

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- install, test and evaluate a pilot system on at least one occasion.

In the course of the above, the candidate must:

- establish objectives, acceptance criteria and resource requirements
- document project plan, processes and outcomes.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- role of stakeholders and degree of stakeholder involvement in the development of a pilot system
- industry standard information-gathering methodologies applicable to installing, testing and evaluating pilot systems
- industry system development and design methodologies applicable to pilot systems
- industry standard hardware and software products applicable to pilot systems
- features and capabilities of current industry-accepted system piloting methodologies
- quality assurance practices relating to installing, testing and evaluating a system.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- pilot system
- technical materials.

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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