



Australian Government

ICTICT316 Implement new technology

Release: 1

ICTICT316 Implement new technology

Modification History

Release	Comments
Release 1	This version first released with the Information and Communications Technology Training Package Version 8.0. Supersedes and is equivalent to ICTICT306 Migrate to new technology. Updated title to better reflect unit scope.

Application

This unit describes the skills and knowledge required to research, source, evaluate and apply new technologies to improve operational performance in a variety of contexts.

The unit applies to individuals who may work in roles such as support desk technicians, who are engaged in improving organisational processes, systems and technologies.

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

Unit Sector

General ICT

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 to implement new technology	1.1 Confirm work brief and tasks according to organisational policies and procedures 1.2 Review operational goals according to work brief 1.3 Research new operational technology options 1.4 Prepare evaluation checklist according to organisational requirements 1.5 Evaluate and select technologies according to work brief and prepared checklist 1.6 Source selected technologies according to organisational

ELEMENT	PERFORMANCE CRITERIA
	policies and procedures
2. Integrate new technology	2.1 Confirm technology implementation requirements and specifications in consultation with required personnel 2.2 Prepare configuration components 2.3 Configure technology according to work brief 2.4 Test new technology according to policies and procedures and rectify any issues within scope of own role
3. Evaluate integrated technology	3.1 Assess extent to which newly integrated technology has met organisational goals and activities against evaluation checklist 3.2 Determine environmental impact of new equipment 3.3 Complete workplace documentation of technology implementation and evaluation outcomes according to organisational requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Skill	Description
Learning	Investigates, evaluates and applies information from a range of complex and technical texts to expand own knowledge and identify new technologies that will benefit the organisation
Oral communication	- Converts technical language and terminology to plain English to communicate changes - Asks questions and actively listens to gather information about job requirements and software systems
Reading	- Identifies and interprets a variety of numerical and diagrammatic information with terminology unique to job requirements - Reviews a range of documents to identify organisational requirements
Writing	Uses correct spelling, grammar and plain English to complete documentation
Planning and organising	Takes responsibility for planning and organising own workload, identifying ways of sequencing for greater efficiency
Technology	Tests and operates common digital tools and systems to effectively complete routine tasks

Unit Mapping Information

Supersedes and is equivalent to ICTICT306 Migrate to new technology.

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 ICTICT316 Implement new technology

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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:

- implement at least two different technologies into an organisation or work area
- evaluate impact of implemented new technology on at least one occasion.

In the course of the above, the candidate must:

- apply required organisational policies and procedures.

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:

- functions and features of hardware and software used in organisations
- common types of emerging technologies suitable for organisational processes and systems
- technology trends and forecasted demand for information and communications technology (ICT), including:
 - hardware
 - protocols
 - services
 - software
- methods to:
 - identify how operational goals can be actualised with emerging technology
 - evaluate implementation constraints of technologies
- configuration instructions, plans and techniques for new technology to be implemented

- types of environmental considerations for new equipment
- functions and features of evaluation checklists, including environmental considerations associated with technology options
- methods to:
 - configure new technologies in different organisational contexts
 - review and test the implementation of new technologies
- vendor software service specifications regarding system software changes
- organisational formats for reporting documentation
- organisational policies and procedures, and legislative requirements relating to work tasks.

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:

- new technologies, equipment and software being used in industry
- work brief and organisational policies and procedures required to demonstrate the performance evidence.

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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