



Australian Government

ICTICT427 Identify, evaluate and apply current industry-specific technologies to meet organisational needs

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 4.0.

Application

This unit describes the skills and knowledge required to identify, evaluate and implement industry-specific technologies to address organisational needs. It involves acquiring industry-specific technologies and obtaining user feedback.

It applies to individuals who support information and communications technology (ICT) activities in the workplace across a wide range of ICT areas, including technical support, network administration, programming, testing, web technologies, software applications and digital media 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. Identify and select industry-specific technologies	1.1 Interpret organisational needs to design indicators against which industry technologies will be evaluated to determine suitability to the organisation including performance, useability and sustainability indicators 1.2 Research current industry-specific technologies to meet organisational needs 1.3 Evaluate and compare industry-specific technologies against indicators to the potential benefits of industry-specific

	technologies to the organisation against indicators 1.4 Select industry-specific technologies to address organisational needs 1.5 Acquire industry-specific technologies on the basis of the evaluation and in accordance with organisational procurement procedure
2. Implement industry-specific technologies	2.1 Consult with user to plan and evaluate the implementation of the industry-specific-technologies 2.2 Implement industry-specific technologies to address organisational needs 2.3 Check and adjust implementation of the industry-specific technologies to meet organisational needs and organisational workplace health and safety (WHS) compliance requirements
3. Obtain user feedback and evaluate industry-specific technologies	3.1 Seek and document user feedback on industry-specific technologies 3.2 Evaluate industry-specific technologies against indicators 3.3 Adjust industry specific technologies in response to user feedback and evaluation

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 industry-specific technologies that will benefit the organisation
Reading	Identifies and interprets technical online and hard copy documentation containing complex terminology and diagrams to identify industry-specific technologies that will benefit the organisation
Oral Communication	- Elicits information and feedback by using effective listening and questioning techniques to identify and evaluate industry-specific technologies - Uses clear, easy-to-understand language and translates industry-specific terminology into plain English when talking to users
Numeracy	Uses numerical information to compare the value of products with regard to quantity, price and quality
Navigate the	Recognises and responds to both explicit and implicit protocols within

world of work	familiar work contexts and appreciates the importance of identifying and responding to protocols in new situations Recognises and addresses WHS compliance issues
Get the work done	- Uses key principles and concepts underpinning the design and operation of digital systems and tools, and applies these when evaluating and implementing new industry-specific technologies - Develops plans with an awareness of how they may contribute to meeting organisational needs

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTICT427 Identify, evaluate and apply current industry-specific technologies to meet organisational needs	ICTICT417 Identify, evaluate and apply current industry-specific technologies to meet industry standards	Edits to title, application and elements 1–3 to clarify intent and scope. Edits to assessment requirements to clarify intent.	Equivalent unit

Links

Companion Volume Implementation Guides are available from VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>

Assessment Requirements for ICTICT427 Identify, evaluate and apply current industry-specific technologies to meet organisational needs

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Performance Evidence

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

- Identify, evaluate, implement and review two current industry-specific technologies and evaluate the potential benefits of these technologies to the organisation
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Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements and performance criteria of this unit. This includes:

- Current industry-specific technologies, trends and directions
- Methods of research
- Methods of designing indicators
- Types of indicators
- Approaches to monitoring performance against indicators
- Methods of getting user feedback
- Organisational requirements and how industry-specific technologies can assist
- Sources of industry-specific technologies detailing general features, capabilities, and compliant application of current industry-specific hardware and software products to be evaluated
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Assessment Conditions

Skills must be demonstrated in a workplace or simulated environment where conditions are typical of those in an ICT working environment or workplace. This includes but is not limited to:

- Information on organisational needs for industry-specific technology

- A site where industry-specific technologies are used
- Current industry-specific technologies and accompanying documentation
- Organisational procurement procedure
- Information detailing workplace health and safety (WHS) compliance requirements
- Individual user to consult

Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.

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