ICTICT426 Identify and evaluate emerging technologies and practices

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 emerging technologies and practices in the ICT sector and evaluate their potential impact on organisational practices.

It applies to individuals who work across a wide range of information technology (IT) areas, including technical support, network administration, 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
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Identify emerging technologies and practices in IT	1.1 Access sources of information on emerging technologies and practices in the IT industry 1.2 Identify and document emerging technologies and practices relevant to organisational context
2. Evaluate the impact of emerging technologies and practices	2.1 Evaluate features and functions of emerging technologies and practices to determine advantages and disadvantages relevant to organisational context 2.2 Assess and document potential impacts of emerging technologies and practices on current organisational

	technologies and practices
	2.3 Seek and obtain feedback from organisational representative on assessment of impact of emerging technologies and practices and incorporate feedback into report
3. Develop strategies to prepare for emerging technologies and practices	3.1 Develop and document strategies to prepare organisation for impacts of emerging technology and practices
	3.2 Identify and document changes to organisational technologies and practices required based on strategies to determine organisational response
	3.3 Seek and obtain feedback from organisational representative on strategy and organisational response from organisation and incorporate feedback into strategy and organisational response

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 to identify current and emerging technology, trends and practices that are likely to impact the organisation • Considers the reliability of an information source against criteria including the author's background, the intended audience and purpose, and the date of publication • Identifies reputable sources of information from which to gather resources and information
Reading	• Identifies and interprets technical documentation containing complex terminology and diagrams to identify current and emerging technologies
Oral Communication	• Uses clear, easy-to-understand language, translating industry-specific terminology into plain English when necessary
Navigate the world of work	• Recognises opportunities to enhance personal professional development • Takes personal responsibility for adherence to legal and regulatory responsibilities relevant to own work context
Interact with others	• Discusses ideas and complex information on issues and developments in the IT industry

Get the work done	• Recognises some general design and operating principles of digital tools

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTICT426 Identify and evaluate emerging technologies and practices	N/A	New unit	No equivalent unit

Links

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