



Australian Government

ICTWEB527 Research and apply emerging web technology trends

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 identify, research and apply emerging web technologies.

It applies to individuals who are highly skilled technicians and have high-level knowledge of the principles of analysis and design.

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

Unit Sector

Web

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 emerging web technology	1.1 Identify needs of web application 1.2 Research and review new developments in web technology 1.3 Identify new developments in web technology that meet identified needs of web application 1.4 Evaluate and select web technology most applicable to web application needs 1.5 Identify legislative and organisational requirements and standards applicable to implementation of new technology 1.6 Discuss and confirm selection with required personnel

ELEMENT	PERFORMANCE CRITERIA
2. Implement new web technology	2.1 Create required code to apply web technology 2.2 Apply code to web technology according to organisational procedures 2.3 Test web application in a variety of browsers and digital devices, and rectify problems as required
3. Review and finalise web technology implementation process	3.1 Review test results and discuss findings with required personnel 3.2 Seek feedback from required personnel and amend as required 3.3 Document work performed and findings according to organisational procedures

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
Reading	Critically analyses complex information from a variety of sources and consolidates information applicable to specific criteria
Writing	Writes and edits code and technical data in a logical manner using required syntax
Initiative and enterprise	Investigates new and innovative ideas to improve work practices and processes
Planning and organising	- Accepts responsibility for planning and sequencing complex tasks and workload - Negotiates key aspects with others, including required capabilities, efficiencies and effectiveness
Technology	Manages and manipulates data and communicates with others in a secure and stable digital environment

Unit Mapping Information

Supersedes and is equivalent to ICTWEB516 Research and apply emerging web technology trends.

Links

Companion Volume Implementation Guide is found on VETNet -

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