



Australian Government

ICTWEB437 Create website testing procedures

Release: 1

ICTWEB437 Create website testing procedures

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 design and implement procedures, which measure the performance of a website and compare these procedures to the initial design specifications.

The unit applies to individuals who may use significant judgement in planning, design, evaluation, technical or leadership and communications functions in frontline technical support roles.

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. Document and define performance criteria	1.1 Review performance specifications and determine benchmark criteria 1.2 Validate and document each performance function 1.3 Select measurement methodology 1.4 Record and document metric tools using applicable methodology 1.5 Prepare performance benchmarks and seek agreement on criteria with client
2. Validate performance measures	2.1 Design and develop inspection and test plans and validate performance measures throughout performance cycle 2.2 Test performance functions and record results according to

ELEMENT	PERFORMANCE CRITERIA
	technical documentation and organisational standards 2.3 Compare results of performance function testing to benchmarks 2.4 Redesign functions that do not meet performance benchmarks 2.5 Re-implement functions that have been redesigned during performance testing 2.6 Document performance standards and benchmarks and obtain sign-off
3. Finalise and obtain sign-off	3.1 Submit methodology and function testing document and results and obtain client approval 3.2 Review client feedback and make changes as required 3.3 Obtain website testing procedure sign-off

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
Numeracy	Measures and evaluates performance, against established baseline numerical values
Oral communication	Participates in verbal exchanges with the client requiring active listening and responses to questions and elicits required and specific information
Reading	Evaluates, integrates and confirms authenticity of data and information and reaches an understanding of contextual and procedural nature of business solutions
Writing	Develops and documents benchmark standards, performance plans, measurements and detailed results and recommendations using required formats and writing principles in accordance with technical standards and organisational conventions
Teamwork	Selects and uses applicable conventions and protocols when communicating in a range of familiar work contexts
Self-management	- Takes personal responsibility for following explicit and implicit, organisational requirements applicable to own work - Determines, implements and evaluates testing and validation processes using analytical thinking, systematic decision-making and diagnostic processes

SKILL	DESCRIPTION
Technology	Identifies and confirms purposes, specific functions and key features of common digital systems and tools and operates them in performing testing procedures

Unit Mapping Information

Supersedes and is equivalent to ICTWEB406 Create website testing procedures.

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 ICTWEB437 Create website testing procedures

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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:

- create a website testing procedure according to client requirements and performance specifications.

In the course of the above, the candidate must:

- identify critical performance functions requiring testing
- develop and document required metrics for each function and assign benchmarked performance standards
- validate performance of site against technical requirements
- document results and establish performance benchmarks and obtain client sign off.

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:

- legislation, regulations, codes of practice and standards applicable to web testing including:
 - codes of ethics
 - privacy
 - copyright
 - intellectual property
 - naming
 - documentation
- industry standards, organisational guidelines and technical documentation standards and techniques relevant to creating website testing procedures
- client business domains, including client organisation structure and business functionality
- industry standard hardware and software products

- desktop applications and operating systems
- standard web-testing procedures and optimisation tools
- website design methodologies and standard website structures.

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:

- a website
- required hardware and digital devices
- site design and technical requirements documentation
- site-development software and tools.

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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