



Australian Government

ICTWEB433 Confirm accessibility of websites

Release: 2

ICTWEB433 Confirm accessibility of websites

Modification History

Release	Comments
Release 2	This version first released with ICT Information and Communications Technology Training Package Version 7.2. Version created to correct typographical error in the knowledge evidence.
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 confirm accessibility of websites for users with auditory, visual, mobility and cognitive impairments.

The unit applies to web developers and designers who are required to adhere to international and Australian industry standards and practices to ensure that users with accessibility requirements are not disadvantaged when using websites.

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 accessibility standards	1.1 Research and identify, specific user groups with particular accessibility requirements 1.2 Identify general legislated and industry accessibility standards and requirements 1.3 Identify web development standards 1.4 Consolidate specific and general standards and requirements, into an accessibility checklist

ELEMENT	PERFORMANCE CRITERIA
2. Test accessibility of pages and website	2.1 Select and run automatic testing tools and software 2.2 Check text equivalent for every non-text element is present in website where feasible 2.3 Confirm text-only pages are logical and accessible 2.4 Demonstrate document can be read without style sheets 2.5 Check and confirm information and pages are not dependent on colour and can operate in monochrome environment 2.6 Verify pages operate on text-to-speech browser 2.7 Test site with different user groups and confirm site transforms and maintains accessibility
3. Apply and document changes and obtain sign off from required personnel	3.1 Apply and document required changes to pages and website according to testing results 3.2 Check and confirm priorities identified in analysis of web development standards are met and completed 3.3 Confirm website is compliant with accessibility checklist requirements 3.4 Confirm accessibility of website is signed off by required personnel

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	Identifies, analyses and evaluates complex texts
Writing	- Formats, reviews and amends web-based documents using specific software and technical language - Generates checklists that include accessibility standards criteria and other specific requirements
Oral Communication	Uses listening and questioning to shares viewpoints, elicit information and participates in verbal exchanges with stakeholders
Self-management	- Takes personal responsibility for adherence to the regulatory and legislative standards related to own work context - Demonstrates responsibility and ownership of tasks and makes decisions on completion parameters and need for consultation and

SKILL	DESCRIPTION
	- coordination with others - Plans, sequences and prioritises tasks and own workload and delivers outcomes on time
Problem-solving	Identifies areas of pages and website that are not compliant with accessibility standards through testing and applies required changes to solve issues.
Teamwork	Selects and uses applicable conventions and protocols when communicating with clients in a range of work contexts
Technology	- Identifies and confirms purposes, specific functions and key features of common digital systems and tools - Completes a series of diagnostic tests and tasks according to web development standards for accessibility

Unit Mapping Information

Supersedes and is equivalent to ICTWEB402 Confirm accessibility of websites for people with special needs.

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 ICTWEB433 Confirm accessibility of websites

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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:

- confirm a website is accessible for people with special needs and adheres to general and specific accessibility standards and requirements.

In the course of the above, the candidate must:

- identify wider context of accessibility through research of accessibility standards
- creates an accessibility checklist which incorporates accessibility standards and requirements
- test accessibility of pages and website using a range of tools and tests
- apply and document required changes according to testing results
- obtain sign-off from required personnel.

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 and codes of practice, applicable to access, equity and security
- computing and programming standards applicable to access and equity
- technical performance measurement principles
- automatic testing tools and software
- required programming language
- Web Accessibility Initiative (WAI)

- World Wide Web Consortium (W3C), Web Content Accessibility Guidelines (WCAG) and other Australian accessibility standards.

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 and included web pages
- required hardware, software and digital devices
- requirements documentation
- the internet
- automatic accessibility measuring tools and software
- organisational requirements and applicable standards.

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

Links

Companion Volume Implementation Guide is found on VETNet -

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