



Australian Government

ICTWEB448 Confirm website content meets technical protocols and standards

Release: 1

ICTWEB448 Confirm website content meets technical protocols and standards

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 confirm content for a website is in accordance with customer specifications and is compatible with required technical and infrastructure protocols.

The unit applies to individuals working in the web development area who are required to populate websites according to clear benchmarks.

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. Confirm content meets required standards	1.1 Identify client website requirements and applicable style standards according to specifications 1.2 Confirm text-based content meets client requirements and required style standards 1.3 Confirm multimedia-based content meets business design standards and overall look of website 1.4 Check whether mix between multimedia and text-based content, provides required level of interaction identified in client requirements 1.5 Test content and conform to client expectations and technology

ELEMENT	PERFORMANCE CRITERIA
2. Confirm technology supports content	2.1 Confirm availability of applicable multimedia content protocols 2.2 Check and confirm content bandwidth and content plug-ins are available 2.3 Confirm servers support content and levels of interaction 2.4 Test and confirm compression techniques support delivery of content
3. Test content	3.1 Test and confirm content displays as intended and according to business requirements in multiple browsers and devices 3.2 Confirm content encourages interaction and content interaction performs as intended through testing with beta users 3.3 Record and document results of beta user testing according to organisational requirements 3.4 Test and confirm plug-ins download with minimal steps, complication and time 3.5 Test availability of interactive tools and provide expected results 3.6 Test and debug website and confirm website is safe and secure, according to cyber security procedures and protocols 3.7 Complete documentation and obtain sign-off from 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
Numeracy	• Time technological processes using basic mathematical formula
Reading	• Identifies and analyses online information and client specifications and confirms business requirements are met
Writing	• Documents outcomes of tests using industry terminology and recognised symbols
Teamwork	• Selects and uses applicable conventions and protocols when communicating with clients and co-workers in a range of work contexts
Problem solving	• Makes routine decisions and implements standard procedures for routine tasks, using formal decision-making processes for more complex and non-routine situations
Self-management	• Takes personal responsibility for following explicit and implicit

SKILL	DESCRIPTION
	policies, procedures and specifications • Improves work practices and processes and elicits feedback and provides feedback to others, • Takes responsibility for planning, sequencing and prioritising tasks and own workload
Technology	• Uses familiar digital technologies and systems to access information, search and enter, data and code, present information and communicate with others, cognisant of data security and safety

Unit Mapping Information

Supersedes and is equivalent to ICTWEB421 Ensure website content meets technical protocols and standards.

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 ICTWEB448 Confirm website content meets technical protocols and standards

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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:

- carry out checks and tests and confirm specifications and standards are met for a mix of website content including:
 - at least three multimedia items
 - at least three text-based content.

In the course of the above, the candidate must:

- check and use required streaming and compression techniques
- confirm website content is support by technology, including bandwidth, servers, devices and plug-ins
- manage file transfer protocols (FTPs)
- test and confirm functionality and operability of content and interactive components, on at least two different browsers and at least two different devices
- confirm website is cyber safe and secure
- document testing performed and 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:

- applicability of copyright, privacy and intellectual property to website development
- industry standard software compression algorithms and associated technologies
- file transfer protocol (FTP) software protocols
- internet protocols
- server access security principles and procedures
- server operating systems
- streaming technologies

- website testing and debugging methodologies
- documentation techniques, style and business design standards applicable to confirming website content meets technical protocols and standards
- multimedia content protocols
- organisational and cybersecurity procedures and protocols.

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:

- client specifications document
- documents detailing organisational style guide and policies and design brief
- required hardware and its components and plug-ins
- industry standard software and included interactive tools
- compression and streaming software
- the internet
- a live network and its components
- networked computers
- technical documentation and installation manuals
- multiple servers, browsers and devices.

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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