



Australian Government

ICTWEB421 Ensure website content meets technical protocols and standards

Release: 1

ICTWEB421 Ensure 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 1.0.

Application

This unit describes the skills and knowledge required to ensure content for a website is in accordance with customer specifications, and is compatible with the appropriate technical and infrastructure protocols.

It 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 that content meets the required standards	1.1 Take action to ensure that text-based content meets client needs, and the required style standards 1.2 Confirm that the multimedia-based content meets the business design standards, or the overall look of the website 1.3 Check that the mix between multimedia and text-based content, provides the required level of interaction identified in the project brief 1.4 Test that the content conforms to client expectations and the technology

ELEMENT	PERFORMANCE CRITERIA
2. Confirm that the technology supports the content	2.1 Take action to ensure that the protocols required for multimedia content are available 2.2 Check and confirm, that the bandwidth required to support the content is available 2.3 Check and confirm, that the servers support the content and levels of interaction 2.4 Check and confirm, that the plug-ins required to support content are made available 2.5 Test and confirm, that compression techniques support delivery of content
3. Test the content	3.1 Test and confirm that content displays as intended and according to business requirements in target browsers 3.2 Test with beta users that content encourages interaction and content interaction performs as intended and record results 3.3 Test and confirm that plug-ins download with a minimum of steps, complication and time 3.4 Test that interactive tools are available and provide the expected results

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1, 1.2, 1.3, 1.4, 2.2, 3.1	Identifies and analyses, online information and client specifications, to ensure that all business requirements are met
Writing	3.2	Documents outcomes of tests using industry relevant terminology and recognised symbols
Oral Communication	1.1	Clearly articulates requirements, using the language appropriate to the audience, and participates in a verbal exchange of ideas/solutions
Numeracy	3.3	Uses basic mathematical formula to time technological processes
Navigate the	1.1, 1.2, 3.1	Takes personal responsibility for following explicit

world of work		and implicit policies, procedures and specifications
Interact with others	1.1, 1.2, 3.2	- Elicits feedback and provides feedback to others, in order to improve work practices and processes - Selects and uses the appropriate conventions and protocols, when communicating with clients and co-workers in a range of work contexts
Get the work done	1.1, 1.4, 2.1-2.5, 3.1-3.4	- Takes responsibility for planning, sequencing and prioritising tasks and own workload, for efficiency and effective outcomes - Makes routine decisions and implements standard procedures for routine tasks, using formal decision-making processes for more complex and non-routine situations - 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

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTWEB421 Ensure website content meets technical protocols and standards	ICAWEB421A Ensure website content meets technical protocols and standards	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for ICTWEB421 Ensure website content meets technical protocols and standards

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Performance Evidence

Evidence of the ability to:

- carry out checks and tests, for a mix of content for a website, to ensure that it meets specifications and standards
- check and use, correct streaming and compression techniques
- manage the file transfer protocols (FTPs)
- test and confirm, content functionality and operability.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- outline the applicability of copyright, privacy and intellectual property to website development
- explain common software compression algorithms, and associated technologies
- summarise the file transfer protocol (FTP) software protocols
- identify and summarise internet protocols
- explain the server access security principles and procedures
- outline the server operating systems
- summarise streaming technologies.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the website technologies field of work and, include access to:

- documents detailing organisational style guide or policies
- a personal computer, on which software installation may be performed
- compression and streaming software
- an internet connection
- a live network
- network components, hardware and software
- networked computers
- a server, and workstation hardware and software
- style guides, and the design brief
- technical documentation and installation manuals
- software currently used in industry
- vendor hardware and software components.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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