



Australian Government

**Assessment Requirements for ICTWEB516
Research and apply emerging web
technology trends**

Release: 1

Assessment Requirements for ICTWEB516 Research and apply emerging web technology trends

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Performance Evidence

Evidence of the ability to:

- research, investigate, and apply emerging web technology trends to a web application.

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 principles of the internet and the technologies that underpin its existence
- summarise the key principles of analysis and design
- outline programming control structures and object-oriented programming
- explain web programming concepts, including:
 - the hypertext transfer protocol (HTTP)
 - stateless programming
 - session management
 - authentication and web security
 - client-side programming
- explain the latest web technology trends, and their application, to a client
- evaluate a web application, using trends in web technology
- identify the sources of information regarding new and emerging, trends and 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:

- a development environment
- a server
- a database server
- the internet
- browsers.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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