



**Australian Government**

# **Assessment Requirements for ICTWEB515 Implement and use web services**

**Release: 1**

# Assessment Requirements for ICTWEB515 Implement and use web services

## 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:

- transform data from relational or other native data sources, into an extensible markup language (XML)
- validate an XML document, using a predefined schema
- provide access to the business functionality via a web service description language (WSDL) file
- locate a public web service business function, and include it in a website, using universal description, discovery and integration (UDDI), and a simple object access protocol (SOAP)
- implement a web service according to the business requirements, specifications, and industry standards.

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:

- summarise integrated development environments
- summarise web development technologies
- outline the web service architecture
- describe the importance of XML language and data structures.

## 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:

- the web service business requirement specifications
- industry standards published by the World Wide Web Consortium (W3C)
- platform-specific documentation and help files, describing the syntax and use of proprietary technologies
- a simulated development environment, incorporating the following elements:
  - a relational database server
  - the integrated development environment (IDE), including related frameworks, APIs and associated proprietary classes, required to implement web services and their enabling technologies
  - a web server
  - web browsers
  - XML editors
  - XPath testing utilities.

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>