



Australian Government

Assessment Requirements for ICTPRG447

Use extensible markup language

Release: 1

Assessment Requirements for ICTPRG447 Use extensible markup language

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 6.0.

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:

- produce at least two well-formed, formatted and validated XML documents
- use an XML parser to access, modify and transform XML documentation
- create at least one service-oriented application using XML.

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:

- tree structure of data to be represented
- web services architecture and platform elements
- programming concepts and languages including structure and syntax
- validation and styling tools within XML
- XML document elements including:
 - root element
 - child element
 - sub-child element
- syntax rules relating to:
 - case sensitivity
 - closing tag
 - entity reference
 - proper nesting
 - quoted attribute values
 - single-root element
- the main features and services of the internet
- data modelling techniques and procedures

- commonly used elements in hypertext markup language (HTML)
- information system features
- XML parser application programming interface (API) and functions
- source characteristics.

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:

- required hardware and its components
- extensive markup language (XML) and JavaScript object notation (JSON) tools and software
- tools to access and develop a data source including:
 - a text editor
 - a web browser
- client and functionality requirements and documentation
- a web server and software that hosts services to deploy and test the web-service application
- required libraries.

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 -

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