



Australian Government

Assessment Requirements for ICTPRG546

Validate application designs against specifications

Release: 1

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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:

- interpret software specifications and validate software design, source code and testing requirements on at least one occasion.

In the course of the above, the candidate must:

- document processes and outcomes.

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:

- database design and implementation relevant to validating application designs
- business and technical modelling using UML tools at intermediate level
- industry standard software development methodologies applicable to validating application designs
- system development life cycle (SDLC)
- language used in object-oriented programming
- open-source development tools
- software-testing techniques relevant to validating application designs.

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:

- tools to create prototype systems

- static analysis tools
- test plan and test cases.

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>