



Australian Government

Assessment Requirements for ICTPRG551

Apply testing techniques for software development

Release: 1

Assessment Requirements for ICTPRG551 Apply testing techniques for software development

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:

- develop a test-plan document and test cases to verify completeness, reliability and performance of an application and software on at least one occasion.

In the course of the above, the candidate must:

- document and manage test results
- perform application debugging process
- re-test application.

Knowledge Evidence

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

- industry standard programming language applicable to applying testing techniques for software development
- input and output requirements applicable to testing software development
- software development life cycle (SDLC) methodologies
- system layers including data network, hardware, operating system, database management systems, web servers, application servers, and client deployment
- processes and techniques related to small-size application development.

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:

- business, functional, system and user requirements

- system for testing.

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>