



Australian Government

Assessment Requirements for ICTSAS401

Perform unit test for a class

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 1.0.

Performance Evidence

Evidence of the ability to:

- prepare at least TWO test environments
- conduct unit tests, covering:
 - member function test
 - path test
 - static test
- analyse, document and report test results.

Knowledge Evidence

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

- explain object-oriented programming language
- compare and contrast the key features and processes of automated test tools
- discuss client business domain relating to class to be tested
- outline input and output requirements
- describe organisational requirements relating to class to be tested
- analyse system testing requirements
- analyse underlying test data.

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 systems administration and support field of work and include access to:

- special purpose tools, equipment, materials
- industry software packages
- suitable test plan
- specific requirements
- design documents used in analysis of the test
- suitable class to test.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion volumes available from the IBSA website:

http://www.ibsa.org.au/companion_volumes -

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