



Australian Government

Assessment Requirements for ICTSAS514

Perform integration tests

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 the test environment
- conduct tests using appropriate test tools and integration standards and quality benchmarks
- perform integration requirements for the units
- determine whether the units operate according to specifications
- analyse and classify results
- prepare reports that comply with documentation and reporting standards.

Note: Evidence must be provided on at least TWO systems or occasions.

Knowledge Evidence

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

- describe the key features of at least two programming languages, with detailed knowledge of programming languages required by current system/project
- compare and contrast automated test tools, with detailed knowledge of features and processes of tools used for current system/project
- identify input and output requirements
- discuss organisational practice, standards and benchmarks relating to integration testing
- analyse and describe the system or application being tested
- describe key features and processes of testing techniques and tools
- 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 and materials
- industry software packages
- acceptance criteria
- test plan
- integration standards
- requirements and design documents used in test analysis
- system or application suitable for testing.

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>