



Australian Government

Assessment Requirements for ICTSAS516 Perform stress and load tests on integrated platforms

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:

- create a test plan and undertake a test that includes analysis of the system's ability to cope with expected high levels of data volume within predetermined performance standards
- identify problems and fault-resolution strategies that may occur during stress testing
- check that the system operates in the manner expected under expected conditions
- check that supporting material, including procedures and forms, is accurate and suitable for the purpose intended
- determine that stated conditions reflect the upper limits expected by client
- ensure there are no unacceptable reductions in service
- ensure individual elements and the overall system provide the desired result or functionality
- complete and update documentation accurately.

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

Knowledge Evidence

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

- compare and contrast the key features and processes of automated test tools
- analyse organisational requirements relating to stress and load testing
- evaluate program design and performance characteristics
- describe system or application requirements and performance
- describe key features and processes of testing techniques.

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
- business requirements
- project documentation, including templates, standards, specifications and client user and technical manuals
- business rules and expected loads
- base tools
- technical components of system, including software, hardware and network
- staffing resources, including development, operations and client user representatives
- 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>