



Australian Government

Assessment Requirements for ICTAUT403 Conduct software quality assurance testing

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with the Information and Communications Technology Training Package Version 8.0. Newly created unit of competency to address in-demand skills needs.

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:

- create at least two software quality assurance (SQA) test plans
- troubleshoot at least one type of organisational software using created SQA test plan.

In the course of the above, the candidate must:

- update and adhere to SQA test plans
- apply required organisational policies and procedures.

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:

- industry-recognised automatic and manual SQA processes
- key functions and features of software development lifecycles and documentation, including:
 - test cases
 - test scripts
- functions and features of test environments
- types of continuous integration tools
- troubleshooting procedures required when conducting SQA testing
- functions and features of SQA test plans
- key stages of SQA testing procedures, including:
 - unit testing
 - integration testing

- function testing
- system testing
- acceptance testing
- installation testing
- functions and features of software issue registers
- organisational formats for documentation and reports
- organisational policies and procedures, and legislative requirements relating to work tasks.

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:

- software, tools and equipment to enable SQA to be conducted
- opportunities for interaction with others
- work brief and organisational policies and procedures required to demonstrate the performance evidence.

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>