



Australian Government

Assessment Requirements for ICTTEN828 Manage development and application of testing artefacts

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 7.0.

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:

- manage the development and application of at least three different testing artefacts for a network.

In the course of the above, the candidate must:

- produce steps in developing test strategy
- minimise testing risks
- manage defects and failures from the test plan
- produce a test strategy to evaluate suitability of application software
- develop software testing strategies for uncovering evidence of defects in software systems
- create reusable domain artefacts to detect early defects in domain testing
- produce test reporting associated with phases of a test cycle within the test plan
- produce an evaluation report from the traceability matrix.

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:

- required legislation, codes, company work practices, regulations and standards, workplace health and safety (WHS) requirements for scoped work
- applications' software features and functionalities
- the configuration of software testing tools
- software artefact and explain the process for testing artefacts
- creation of the traceability matrix
- steps in developing the test strategy and specify various tests that may be applied
- domain and application testing

- essential elements of test plans
- features of testing tools and debuggers
- the identification of types of risks
- the management of:
 - software defects
 - test traceability
- phases of test cycles
- production of test reviews
- steps in developing a test strategy
- testing procedures
- workplace evaluation report.

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:

- a site where testing artefacts can be developed and applied
- software tools currently used in industry
- vendor products, specifications, equipment and enterprise policy required for the activity.

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>