



Australian Government

Assessment Requirements for ICTTEN814 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 2.0.

Performance Evidence

Evidence of ability to:

- produce steps in developing test strategy
- 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.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

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

- outline applications' software features and functionalities
- specify the configuration of software testing tools
- define *software artefact* and explain the process for testing artefacts
- summarise creation of the traceability matrix
- summarise steps in developing the test strategy and specify various tests that may be applied
- outline domain and application testing
- explain essential elements of test plans
- evaluate features of testing tools and debuggers
- explain the identification of types of risks
- outline the management of:
 - software defects
 - test traceability

- explain phases of test cycles
- summarise production of test reviews
- outline steps in developing a test strategy
- explain testing procedures.

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 should be typical of those experienced in the telecommunications networks engineering field of work and include 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 guides are found in VETNet -

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