



Australian Government

ICTSAS513 Develop detailed test plans

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.

Application

This unit describes the skills and knowledge required to plan for testing information and communications technology (ICT) systems, including software development, systems administration, networking, and web development, by collating documentation of conditions and expected results sufficiently to allow for thorough system testing.

It applies to individuals who use technical and specialised knowledge and systematic approaches in performing or organising others to complete complex technical testing operations.

No licensing, legislative, or certification requirements apply to this unit at the time of publication.

Unit Sector

Systems administration and support

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare test environment and gather tools	1.1 Determine structure of system and user accounts to understand the test environment 1.2 Determine areas to test and test objectives, according to organisational standards 1.3 Ensure accessibility of documentation 1.4 Notify user representatives or approval authorities of objectives and scheduled test 1.5 Notify operations staff of scheduled test to ensure preparedness and an understanding of implications
2. Prepare test data	2.1 Gather test schedules according to organisational standards 2.2 Correlate schedules with related functionality according to organisational standards 2.3 Check testing schedule prior to validation according to organisational standards 2.4 Prepare test drivers or stubs for test harness according to organisational standards 2.5 Register test plan and initiate log entries according to organisational standards
3. Complete test plan and acceptance processes	3.1 Use software metrics where appropriate 3.2 Validate test and acceptance processes 3.3 Ensure documentation and reporting comply with test plan and quality benchmarks

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1, 1.2, 2.1-2.3	Analyses and evaluates textual and numerical information from a range of documentation to determine required action
Writing	1.4, 1.5, 3.3	Uses clear and precise language and document formats appropriate to the audience and task to convey explicit information and instructions
Oral Communication	1.4, 1.5	Uses clear and accurate language, and inclusive and collaborative techniques to convey information to a range of personnel
Numeracy	2.2, 2.5, 3.3	Uses mathematical equations to calculate and compare numerical test data to determine required actions
Interact with others	1.4, 1.5	Identifies and uses appropriate conventions and protocols when communicating with colleagues and others
Get the work done	1.1-1.5, 2.1-2.5, 3.1-3.3	- Accepts responsibility for planning, prioritising and sequencing complex tasks and workload - Applies systematic and analytical decision making processes for complex and non-routine situations - Uses digital technologies to manage ICT operations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTSAS513 Develop detailed test plans	ICASAS513A Develop detailed test plans	Updated to meet Standards for Training Packages	Equivalent unit

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>