



**Australian Government**

# **ICTSAS515 Manage the testing process**

**Release: 1**

## ICTSAS515 Manage the testing process

### 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 effectively manage and administer the end-to-end testing process, including test definition, execution and reporting.

It applies to experienced individuals who work autonomously in performing or organising others to complete complex technical 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. Develop test schedule	1.1 Determine testing requirements and objectives 1.2 Review test plan, where available 1.3 Develop testing timeline and allocate resources 1.4 Document test objectives and schedule according to test procedures and distribute to appropriate person 1.5 Obtain feedback and incorporate relevant changes
2. Complete test procedures	2.1 Copy necessary code into the testing environment 2.2 Allocate and manage personnel carrying out the testing process 2.3 Administer alterations or changes to the code 2.4 Integrate code into production environment
3. Review the completeness and accuracy of the system	3.1 Administer full system test to ensure suitability of the system 3.2 Document outcomes of system test for use in subsequent development phases 3.3 Evaluate results of system test to determine acceptability of system

## 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	<ul style="list-style-type: none"> <li>Compares and evaluates textual information and numerical data/specifications from a range of documentation to inform testing requirements</li> </ul>
Writing	1.3-1.5, 2.3, 3.2	<ul style="list-style-type: none"> <li>Uses technically specific language and a range of writing styles to articulate requirements</li> <li>Uses appropriate formats and structures to present information logically for different audiences and revises documents based on feedback and outcomes</li> </ul>
Oral Communication	1.5, 2.2	<ul style="list-style-type: none"> <li>Explains technical requirements and plans to relevant personnel, using clear and precise language and listening and questioning skills to confirm understanding</li> </ul>
Interact with others	1.4, 1.5, 2.2	<ul style="list-style-type: none"> <li>Identifies and uses appropriate conventions and protocols when communicating with colleagues and others</li> </ul>
Get the work done	1.1-1.5, 2.1-2.4, 3.1-3.3	<ul style="list-style-type: none"> <li>Develops plans to manage relatively complex routine and non-routine tasks with an awareness of how they might contribute to broader strategy and goals</li> <li>Uses problem solving techniques to analyse required outcomes in order to manage the testing process</li> <li>Uses digital technologies to manage operations</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTSAS515 Manage the testing process	ICASAS515A Manage the testing process	Updated to meet Standards for Training Packages	Equivalent unit

## Links

Companion volumes available from the IBSA website:

[http://www.ibsa.org.au/companion\\_volumes](http://www.ibsa.org.au/companion_volumes) -

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