



Australian Government

ICTSAS522 Manage the testing process

Release: 1

ICTSAS522 Manage the testing process

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 4.0.

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 undertake testing of systems and applications.

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. Determine test scope and schedule	1.1 Determine testing requirements and objectives based on system requirements and acceptance criteria 1.2 Develop test plans based on system and testing requirements and objectives 1.3 Develop testing timelines and allocate resources according to organisational requirements and objectives 1.4 Document test schedules according to test procedures and provide to superior 1.5 Obtain feedback from superior on test requirements, objectives, and schedule and incorporate required changes
2. Manage test	2.1 Insert code into the test environment

procedures	<p>2.2 Allocate personnel to testing procedures and manage work to ensure test procedures are carried out according to requirements and objectives</p> <p>2.3 Administer alterations to the code if errors are detected</p> <p>2.4 Integrate code into production environment</p> <p>2.5 Administer full system test to ensure suitability of the system</p>
3. Review the completeness and accuracy of the system	<p>3.1 Record, prioritise, and investigate discrepancies and corrections according to organisational testing procedures</p> <p>3.2 Brief superior on test results and agree required actions</p> <p>3.3 Schedule required code changes based on test results</p> <p>3.4 Evaluate results of system test against acceptance criteria to determine acceptability of system</p>

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

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

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTSAS522 Manage the testing process	ICTSAS515 Manage the testing process	Edits to elements and performance criteria to clarify intent. Updates to Assessment Requirements.	Equivalent unit

Links

Companion Volume Implementation Guides are available from VETNet -

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