



**Australian Government**

**Assessment Requirements for ICTCYS603  
Undertake penetration testing for  
organisations**

**Release: 1**

# Assessment Requirements for ICTCYS603 Undertake penetration testing for organisations

## Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 6.0.

## 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:

- plan and implement penetration testing and resolve queries and vulnerabilities on at least three vulnerabilities.
- In the course of the above, the candidate must:
- identify weaknesses as part of penetration testing process.

## 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:

- security risks and vulnerabilities in software systems
- tools used in testing a network for vulnerabilities including scanning tools
- advanced level penetration testing of a system
- methods and tools used to protect data in an organisation
- risk mitigation strategies
- organisational procedures applicable to undertaking penetration testing, including:
- establishing goals and objectives of penetration testing
- defining scope of testing and establishment of testing regime
- documenting established requirements
- establishing penetration testing procedures
- documenting findings, threats and work performed
- key organisational environments, systems and networks required to undertake penetration testing for organisations.

## 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:

- hardware, software and digital devices required to undertake penetration testing
- analytic platform and applicable user instructions
- data recognition software
- single security device and an organisation device
- legislative requirements and organisational policies and procedures applicable to undertaking penetrations testing.

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>