



Australian Government

Assessment Requirements for ICTCYS404 Run vulnerability assessments for an organisation

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 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:

- perform at least one vulnerability test assessment
- define and run at least one basic penetration test.

In the course of the above, the candidate must:

- assess web based, network based and hardware-based vulnerabilities
- adhere to organisational procedures
- document and report activities.

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
- basic level penetration testing of a system
- methods and tools used to protect data in an organisation
- risk mitigation strategies that may be used running vulnerability assessments for an organisation
- organisational procedures applicable to running vulnerability assessments, including:
 - establishing goals and objectives of vulnerability assessments
 - 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 run vulnerability assessments.

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:

- required software testing packages
- required hardware and its components
- vulnerability scanning tools
- a server
- text-editing software
- information applicable to organisational environment, systems and network
- required organisation network, systems or applications.

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>