



Australian Government

Assessment Requirements for ICTCYS612 Design and implement virtualised cyber security infrastructure for organisations

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:

- design and implement cyber security infrastructure and review results against organisational needs on at least two different occasions.

In the course of the above, the candidate must:

- identify an organisation's vulnerabilities, cyber security needs and data protection requirements
- document findings, plan and processes.

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:

- features and implementation methodologies of cyber security
- cyber security infrastructure features including:
 - application security
 - business continuity planning
 - disaster recovery planning
 - operational security (OPSEC)
 - threat vectors
- organisational business processes and applicable cyber security requirements design and implementation
- organisational procedures applicable to designing and implementing cybersecurity infrastructure, including:
 - documenting established requirements, risks and work performed
 - establishing requirements and features of cyber security infrastructure

- establishing maintenance and alert processes
- testing methods and procedures
- security risks, and tolerance of risk in an organisation
- industry standard cyber security providers
- industry standards and regulations applicable to implementing cyber security infrastructure in an organisation
- organisation, infrastructure and cyber security requirements.

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 its components required in the design and implementation of cyber security infrastructure
- an organisation's operational details required for determining cyber security requirements
- application and user security technologies required for the design and implementation of cyber security infrastructure
- industry standard cyber security providers.

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>