



Australian Government

ICTCYS604 Implement best practices for identity management

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.

Application

This unit describes the skills and knowledge required to identify, confirm and implement best practices for identity management in the cyber environment to minimise threats, risks and cybercrime attacks.

It applies to those who work as network security specialists or administrators and are responsible for overseeing and implementing an organisation's best practices to confirm safe cyber security management of personal and identifiable information.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Cyber security

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. Analyse organisation's identity management best practices	1.1 Identify and summarise organisation's identity management practices 1.2 Analyse organisation's identity management environment, processes and requirements 1.3 Identify legislation and industry requirements required to implementing best practices for identity management
2. Design and implement best practices	2.1 Develop and document strategy for identity management best practices plan 2.2 Develop and document implementation strategy in consideration of technical, personnel, performance benchmarks and timeline requirements, according to

ELEMENT	PERFORMANCE CRITERIA
	organisational policies and procedures 2.3 Distribute documents to required personnel in preparation for implementation 2.4 Conduct implementation of best practices strategy according to organisational requirements and implementation plan
3. Finalise implementation of strategy	3.1 Analyse organisation's performance against best practices benchmark 3.2 Summarise outcomes of analysis and identify areas risk and high vulnerability 3.3 Update plan with suggested remediation strategy for identified areas of risk and vulnerability 3.4 Submit finalised documentation to required personnel and seek and respond to feedback 3.5 Lodge all documentation according to organisational policies and procedures

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
Learning	- Obtains information applicable to organisational procedures and identity management standards and principles - Monitors outcomes of decisions, considering results and identifying key concepts and principles that may be adaptable in the future
Reading	Interprets information from different sources in a range of formats when identifying best practices and interpreting how these standards apply to the organisation
Writing	Prepares complex workplace documentation detailing processes and outcomes using required structure, layout and required language
Planning and organising	Uses problem solving skills to identify anomalies and subtle deviations to normal expectations, focusing attention and remedying problems as they arise

Unit Mapping Information

No equivalent unit. New unit.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for ICTCYS604 Implement best practices for identity management

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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, implement and analyse best practices for identity management in an organisation on at least one occasion.

In the course of the above, the candidate must:

- identify an organisation's operating environment
- document processes and outcomes.

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:

- organisation's operating and cyber environment applicable to identity management
- identity management methodologies required in the cyber environment
- best practices and legislation required to implement best practices for identity management
- organisational procedures applicable to implementing best practices for identity management including:
 - documentation processes
 - designing secure network infrastructure
 - establishing requirements and features of information security strategies
 - establishing baselines and metrics
 - testing methodologies.

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 identity management tasks
- software that identifies data categorise and access privilege
- legislation and policies and procedures required to identity management best practices.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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