



Australian Government

ICTCYS408 Research and source cryptocurrency technologies for organisational needs

Release: 1

ICTCYS408 Research and source cryptocurrency technologies for organisational needs

Modification History

Release	Comments
Release 1	This version first released with the Information and Communications Technology Training Package Version 8.0. Newly created unit of competency to address in-demand skills needs .

Application

This unit describes the skills and knowledge required to research cryptocurrency technologies, such as blockchain. It includes researching and identifying the advantages and disadvantages of industry-recognised cryptocurrency technologies in meeting organisational requirements. It also includes sourcing cryptocurrency technologies from required third-party vendors.

The unit applies to individuals who may work in a variety of entry-level cryptocurrency roles across multiple industries, including as assistants to cyber security technicians, cryptocurrency developers, analysts, traders and brokers.

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. Establish organisational cryptocurrency technology requirements	1.1 Confirm work brief and tasks according to organisational policies and procedures 1.2 Confirm available research platforms and methods for identifying potential cryptocurrency technologies 1.3 Inspect existing organisational software, financial and accounting records, asset registers, and information technology (IT) controls according to work brief, and

ELEMENT	PERFORMANCE CRITERIA
	confirm cryptocurrency needs
2. Review and report on cryptocurrency technologies	2.1 Research available cryptocurrency technologies and compare their advantages and disadvantages 2.2 Summarise characteristics of cryptocurrency platforms across selected cryptocurrency technologies according to work brief 2.3 Summarise advantages, disadvantages and risks of using researched cryptocurrencies according to work brief 2.4 Present summary report to required personnel and seek feedback 2.5 Implement required feedback in summary report as required 2.6 Select and recommend required cryptocurrency technologies according to organisational policies and procedures
3. Source cryptocurrency technologies	3.1 Seek approval of recommended cryptocurrency technologies according to procurement policies and procedures 3.2 Request selected cryptocurrency technologies from required third-party vendors 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
Numeracy	• Analyses and synthesises basic information about cryptocurrencies
Oral communication	• Uses effective listening and questioning techniques and technical terminology to elicit information and make the correct component selection
Reading	• Identifies, interprets and evaluates documentation containing some complex IT-related concepts
Writing	• Uses correct spelling, grammar and plain English together with ICT-specific terminology and diagrams to convey recommendations and requirements and complete organisational documentation

Unit Mapping Information

No equivalent unit. Newly created 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 ICTCYS408 Research and source cryptocurrency technologies for organisational needs

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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:

- research, select and source at least two different industry-recognised cryptocurrency technologies for two separate organisations.

In the course of the above, the candidate must:

- research cryptocurrency options in the marketplace according to organisational needs
- apply required organisational policies and procedures.

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:

- common types and characteristics of industry-recognised cryptocurrency technologies
- common sources of cryptocurrency technologies
- characteristics of blockchain and how it enables the existence of cryptocurrency
- methods for inspecting organisational platforms and records, including:
 - operating software
 - financial and accounting records
 - asset registers
 - information technology (IT) controls
- key characteristics, advantages and disadvantages of third-party cryptocurrency technologies, including:
 - platform security
 - vendor authenticity

- customer-support services
- fees and charges
- coin options
- local and international exchange rates
- spreads
- liquidity
- key risks and methods of using and sourcing third-party cryptocurrency technologies
- basic methods to compare cryptocurrency transactions
- organisational formats for documentation and reports
- organisational policies and procedures, and legislative requirements relating to work tasks.

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:

- a platform to research industry-recognised cryptocurrency technologies
- opportunities for simulated or in-person interaction with others
- work brief and organisational policies and procedures required to demonstrate the performance evidence.

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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