

ICTICT527 Develop and maintain blockchain solutions

Release: 1

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Modification History

Release	Comments
	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, develop and maintain blockchain solutions to specified business needs.

It applies to those in roles, including senior software developers or blockchain developers who perform the planning, development and implementation of new and existing technologies to business models in the Information and Communications Technology (ICT) and related industries.

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

Unit Sector

General ICT

https://github.com /kdnolanchisholm/

Fork Github repo and describe needs of their industry

Industry Focused

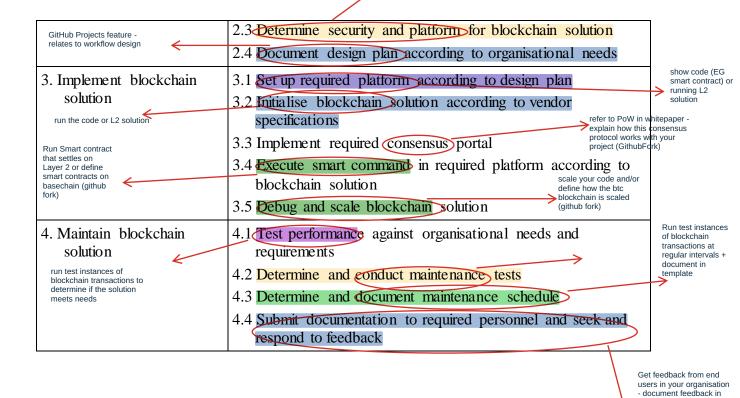
Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
Determine blockchain solution requirements	1.1 Establish blockenain objectives, purpose and requirements according to organisational needs
Proof of Work and Proof of Transfer	1.2 Identify organisational processes and transactional types suitable for blockchain technology
GithubRepo forkk answer 1.3 for their industry	1.3 Identify organisational use-case according to organisational needs
Research and reference in Github Repo Fork 1.4	1.4 Determine legislation and organisational policies and procedures for blockchain and determine impact on solution
Design blockchain solution components	2.1 Gather data according to organisational needs 2.2 Design integration workflow according to organisational need
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Fork Github Repo - gather and report data (spreadsheet)

Diagram (EG MIRO) embed in fork https://github.com/kdnolanchisholm/ICTICT527

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Foundation Skills

Hashrate calculator + explainations documented

documentation

peer-reviewed

documentat

peer-reviewed

working with different solutions + basecha

Peer-reviewed Github

report

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

	SKILL	DESCRIPTION documentation - reasoning articulated behind btc blockchain solution	
	Learning	• Monitors outcomes of decisions, considering results and identifying key concepts and principles that may be adaptable in the future	
<	Numeracy	Uses mathematical formulae to calculate required equipment, undertake measurements and determine response times	Referencing whitepaper - ongoing questions
	Oral communication	Obtains information to confirm requirements and responsibilities distinctively using appropriate industry language	
<	Reading	Recognises and interprets technical, manufacturer and organisational documentation to determine and confirm job requirements	requirements
	Writing	• Prepares documentation outlining maintenance schedule according to specified requirements	identified + use of tools to make proj goalsclear
	Planning and organising	Operates from a broad conceptual plan developing the operational detail in stages, regularly reviewing priorities and performance during implementation, and identifying and addressing issues	
ent L2 ain	Problem solving	Uses nuanced understanding of context to recognise anomalies and subtle deviations to normal expectations, focusing attention and remedying problems as they arise	
(Self-management	Takes full responsibility for identifying and considering relevant organisational protocols and requirements	

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Github

SKILL	DESCRIPTION	
	 Uses systematic processes, setting goals, gathering required information and identifying and evaluating options against agreed criteria 	
Technology	Demonstrates a sophisticated understanding of principles, concepts, language and practices associated with the digital world	

P2P tech, software, hardware and web3 protocols used as much as possible

Unit Mapping Information

No equivalent unit. New unit.

Documentation of overall project - and using project tool to identify and evaluation

Links

Companion Volume Implementation Guide is found on VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2

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