



Australian Government

ICTICT450 Identify and use applications for a distributed ledger

Release: 1

ICTICT450 Identify and use applications for a distributed ledger

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 administer and manage blockchain applications for a distributed ledger. It involves the identification of blockchain applications suitable to specified business needs, and the implementation and deployment of the application at various stages throughout the business model.

It applies to those who perform a range of administrative and project management tasks and assess and implement new technologies to business models in 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

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. Determine distributed ledger technology (DLT) application suitability	1.1 Identify purpose and benefit of industry standard DLT applications according to business needs 1.2 Identify business processes and transaction types suitable for DLT application 1.3 Identify business use-case according to business needs 1.4 Determine consensus mechanism and protocols according to business needs 1.5 Identify required DLT service provider platform according to business needs

2. Set up DLT application	2.1 Document DLT requirements and submit to required personnel 2.2 Initiate account according to vendor specifications and business needs 2.3 Generate required accounts according to vendor specifications 2.4 Create and save genesis block 2.5 Initiate required instance according to vendor specifications 2.6 Test DLT solution against business needs 2.7 Document and confirm DLT meets business needs
3. Use distributed ledger application	3.1 Initiate required transaction from application 3.2 Confirm transaction completion with required personnel 3.3 Document back-end technical transaction process 3.4 Obtain final task sign off from required personnel

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	• Modifies behaviour following exposure to new information
Reading	• Interprets information from relevant sources to determine organisational impacts relating to data ethics legislation
Writing	• Prepares documentation outlining technical specifications and process according to specified requirements
Planning and organising	• Takes responsibility for planning own workload and prioritising tasks for required outcomes
Self-management	• Implements standard procedures and makes decisions for routine tasks • Uses formal decision-making processes for more complex situations

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>