



Australian Government

Assessment Requirements for ICTICT528 Deploy smart contracts

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.

The candidate will submit a smart contract example that demonstrates the smart contract technologies they have researched and used for their industry.

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:

- deploy a smart contract using blockchain technology on at least two occasions.

In the course of the above, the candidate must:

- research organisational business model and determine required distributed ledger application
- demonstrate adherence to blockchain best practices and guidelines.

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:

- objectives, purpose and requirements of blockchain solutions
- blockchain principles that apply to deploying smart contracts
- functions and features of cryptography
- database rules relevant to deploying smart contracts
- transactional components
- industry standard uses for applications
- industry standard uses for ABI and bytecode variables
- uses and functions of Integrated Development Environment (IDE)
- libraries and languages relevant to deploying smart contracts
- security best practices and principles applicable to smart contracts.

Candidates are required to answer a series of written questions about smart contract technology correctly.

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:

- industry standard software to access internet and web delivered information
- industry standard hardware to access internet and web delivered information
- client deliverables that assist in information gathering
- platforms providing distributed ledger applications
- blockchain best practice guidelines.

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>