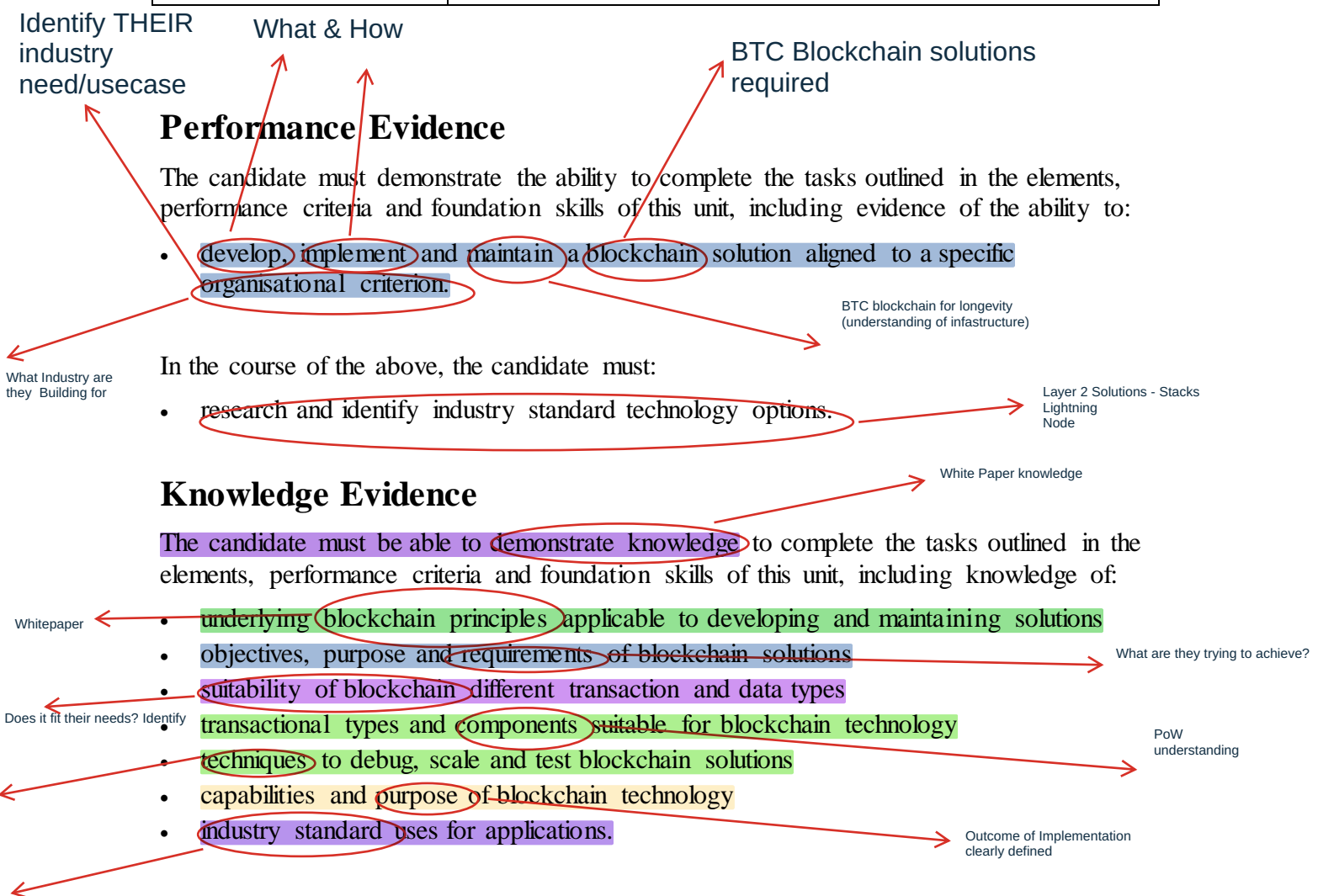# Assessment Requirements for ICTICT527 Develop and maintain blockchain solutions

Release: 1

Assessment Requirements for ICTICT527 Develop and maintain blockchain solutions

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 6.0.

Identify THEIR industry need/usecase

What & How

BTC Blockchain solutions required

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:

- develop, implement and maintain a blockchain solution aligned to a specific organisational criterion.

What Industry are they Building for

BTC blockchain for longevity (understanding of infastructure)

In the course of the above, the candidate must:

- research and identify industry standard technology options.

Layer 2 Solutions - Stacks Lightning Node

Knowledge Evidence

White Paper knowledge

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:

- underlying blockchain principles applicable to developing and maintaining solutions
- objectives, purpose and requirements of blockchain solutions
- suitability of blockchain different transaction and data types
- transactional types and components suitable for blockchain technology
- techniques to debug, scale and test blockchain solutions
- capabilities and purpose of blockchain technology
- industry standard uses for applications.

Whitepaper

What are they trying to achieve?

Does it fit their needs? Identify

PoW understanding

Outcome of Implementation clearly defined

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:

GitHub, Citadel, Clarity

- industry standard software to access internet and web delivered information
- industry standard hardware to access internet and web delivered information

Raspi4
Access to Computer

E,G Github

- client deliverables that assist in information gathering
- platforms providing distributed ledger applications
- blockchain best practice guidelines.

E.G Stacks, IPFS, Lightning

Whitepaper

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