



**Australian Government**

# **Assessment Requirements for ICTTEN516 Produce technical solutions from business specifications**

**Release: 1**

# Assessment Requirements for ICTTEN516 Produce technical solutions from business specifications

## Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 2.0.

## Performance Evidence

Evidence of ability to:

- adapt technologies for required technical solutions
- use site design software and hardware
- evaluate client specifications against accepted industry practices
- develop technical solutions from business specifications
- document information that can be shared between businesses
- apply design concepts to business solutions
- document technical reports
- make recommendations and offer optimum design solutions.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

## Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- explain the client business domain, business function and organisation
- explain compatibility issues and resolution procedures
- outline configuration of internet protocol (IP) networks
- describe common desktop applications and operating systems
- explain how to document technical specifications
- summarise security protocols, standards and data encryption
- explain the role of the following technologies in business systems:
  - network topologies
  - network protocols and operating systems
  - radio frequency (RF) networks
  - optical networks

- mobile cellular networks
- core networks
- access networks
- radio frequency identification.

## Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the telecommunications networks engineering field of work and include access to:

- client functional requirements
- business specifications
- database software
- simulation software
- organisational guidelines
- network and computer layouts
- site design software and hardware
- information on a range of ICT business solutions.

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 guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>