



**Australian Government**

# **ICT40418 Certificate IV in Information Technology Networking**

**Release 2**

# ICT40418 Certificate IV in Information Technology Networking

## Modification History

Release	Comments
Release 2	This version released with ICT Information and Communications Technology Training Package Version 5.0.
Release 1	This version released with ICT Information and Communications Technology Training Package Version 4.0.

## Qualification Description

This qualification provides the skills and knowledge for an individual to install and manage small scale networks, either as an independent network support technician or as part of a team.

### Licensing/Regulatory Information

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

## Entry Requirements

Nil

## Packaging Rules

Total number of units = 17

**8 core units** *plus*

**9 elective units**

The elective units consist of:

- up to 9 from the elective units listed below
- up to 3 from elsewhere in ICT Information and Communications Technology Training Package or any other Training Package or accredited course at Certificate IV or Diploma level.

The elective units chosen must be relevant to the work outcome and meet local industry needs.

### Core units

BSBWHS304 Participate effectively in WHS communication and consultation processes  
ICTICT401 Determine and confirm client business requirements  
ICTICT418 Contribute to copyright, ethics and privacy in an ICT environment  
ICTNWK401 Install and manage a server  
ICTNWK403 Manage network and data integrity  
ICTNWK404 Install, operate and troubleshoot a small enterprise branch network  
ICTNWK420 Install and configure virtual machines  
ICTTEN416 Install, configure and test an internet protocol network

### Elective units

BSBCRT401 Articulate, present and debate ideas  
BSBWOR404 Develop work priorities  
ICTBWN307 Use optical measuring instruments  
ICTICT403 Apply software development methodologies  
ICTICT408 Create technical documentation  
ICTICT427 Identify, evaluate and apply current industry-specific technologies to meet organisational needs  
ICTICT428 Select cloud storage solutions  
ICTNWK405 Build a small wireless local area network  
ICTNWK407 Install and configure client-server applications and services  
ICTNWK408 Configure a desktop environment  
ICTNWK409 Create scripts for networking  
ICTNWK410 Install hardware to a network  
ICTNWK411 Deploy software to networked computers  
ICTNWK412 Create network documentation  
ICTNWK419 Identify and use current virtualisation technologies  
ICTNWK421 Install, configure and test network security  
ICTOPN404 Test optical communications systems and components\*  
ICTPMG401 Support small scale ICT projects  
ICTPRG425 Use structured query language  
ICTSAS426 Locate and troubleshoot ICT equipment, system and software faults  
ICTSUS402 Install and test power saving hardware  
ICTSUS403 Install and test power management software  
ICTSUS404 Install thin client applications for power over ethernet  
ICTTEN417 Install, configure and test a router  
ICTTEN418 Install and test a radio frequency identification system  
ICTTEN419 Implement and troubleshoot enterprise routers and switches  
ICTTEN420 Design, install and configure an internet network

ICTTEN513 Install, configure and test a local area network switch

- Note the following prerequisite unit requirements:

Unit in this qualification	Prerequisite unit
ICTOPN404 Test optical communications systems and components	ICTBWN307 Use optical measuring instruments

## Qualification Mapping Information

This version of ICT40418 Certificate IV in Information Technology Networking supersedes and is equivalent to previous version of ICT40418 Certificate IV in Information Technology Networking.

## Links

Companion Volume Implementation Guides are available from VETNet -

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