Australian Government

ICT50415 Diploma of Information Technology Networking

Release 1

INDUSTRY
SKILLS
COUNCILS
Creating Australia's Future

ICT50415 Diploma of Information Technology Networking

Modification History

Release	Comments
Release 1	This qualification first released with ICT Information and Communications Technology Training Package Version 1.0.

Qualification Description

This qualification provides the skills and knowledge for an individual to manage, as an independent ICT specialist or as part of a team, the installation of a range of networks, including internetworking, security and e-business integration.

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 = 16
5 core units plus
11 elective units

The elective units consist of:

- up to 11 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 Diploma or Advanced Diploma level.

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

Core units

ICTICT418 Contribute to copyright, ethics and privacy in an ICT environment
ICTICT511 Match IT needs with the strategic direction of the enterprise
ICTNWK529 Install and manage complex ICT networks
ICTSUS5187A Implement server virtualisation for a sustainable ICT system
ICTTEN6206A Produce an ICT network architecture design

Elective units

BSBSUS501 Develop workplace policy and procedures for sustainability
ICTICT501 Research and review hardware technology options for organisations
ICTICT509 Gather data to identify business requirements
ICTICT514 Identify and manage the implementation of current industry specific technologies
ICTICT603 Manage the use of appropriate development methodologies
ICTNWK501 Plan, implement and test enterprise communication solutions
ICTNWK502 Implement secure encryption technologies
ICTNWK503 Install and maintain valid authentication processes
ICTNWK504 Design and implement an integrated server solution
ICTNWK505 Design, build and test a network server
ICTNWK506 Configure, verify and troubleshoot WAN links and IP services in a medium enterprise network
ICTNWK507 Install, operate and troubleshoot medium enterprise routers
ICTNWK508 Install, operate and troubleshoot medium enterprise switches
ICTNWK509 Design and implement a security perimeter for ICT networks
ICTNWK510 Develop, implement and evaluate system and application security
ICTNWK511 Manage network security
ICTNWK513 Manage system security
ICTNWK524 Install and configure network access storage devices
ICTNWK525 Configure an enterprise virtual computing environment
ICTNWK527 Manage an enterprise virtual computing environment
ICTNWK531 Configure an internet gateway

ICTNWK533 Configure and manage advanced virtual computing environments

ICTNWK534 Monitor and troubleshoot virtual computing environments

ICTNWK535 Install an enterprise virtual computing environment

ICTNWK615 Design and configure desktop virtualisation

ICTPMG501 Manage ICT projects

ICTSAD506 Produce a feasibility report

ICTSAS406 Implement and hand over system components

ICTSAS501 Develop, implement and evaluate an incident response plan

ICTSAS502 Establish and maintain client user liaison

ICTSAS503 Perform systems test

ICTSAS505 Review and update disaster recovery and contingency plans

ICTSAS512 Review and manage delivery of maintenance services

ICTSAS515 Manage the testing process

ICTOPN5119A Perform acceptance and commissioning tests on optical network

ICTOPN5120A Plan for an optical system upgrade and cut over

ICTOPN5122A Test the performance of specialised optical devices

ICTOPN5123A Analyse and integrate specialised optical devices in the network

ICTSUS6233A Integrate sustainability in ICT planning and design projects

ICTSUS6234A Establish a business case for sustainability and competitive advantage in ICT projects

ICTTEN4213A Configure and troubleshoot advanced network switching

ICTTEN5168A Design and implement an enterprise voice over internet protocol and a unified communications network

ICTTEN5201A Install, configure and test a server

ICTTEN5203A Dimension and design a radio frequency identification system

ICTTEN5204A Produce technical solutions from business specifications

ICTTEN5217A Plan a wireless mesh network

ICTTEN6172A Design and configure an IP-MPLS network with virtual private network tunnelling

Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICT50415 Diploma of Information Technology Networking	ICA50411 Diploma of Information Technology Networking	Updated to meet Standards for Training Packages	Equivalent qualification

Links

Companion volumes available from the IBSA website:
http://www.ibsa.org.au/companion_volumes - http://www.ibsa.org.au/companion_volumes