Australian Government

ICT50318 Diploma of Information Technology Systems Administration

Release 1

ICT50318 Diploma of Information Technology Systems Administration

Modification History

Release	Comments
Release 1	This version first 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 be competent in administering a variety of networked computer systems. The qualification has a strong information technology base of core units with the potential for inclusion of a range of broader industry-specific units in the areas of virtualisation, sustainability and project management to suit particular needs.

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 = 19

10 core units *plus*
9 elective units

The elective units consist of:

- up to 9 elective units from the elective units listed below
- up to 4 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

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BSBSUS501 Develop workplace policy and procedures for sustainability
ICTICT418 Contribute to copyright, ethics and privacy in an ICT
environment
ICTICT509 Gather data to identify business requirements
ICTNWK513 Manage system security
ICTSAS406 Implement and hand over system components
ICTSAS502 Establish and maintain client user liaison
ICTSAS505 Review and update disaster recovery and contingency plans
ICTSAS512 Review and manage delivery of maintenance services
ICTSAS522 Manage the testing process
ICTTEN516 Produce technical solutions from business specifications
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Elective units

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ICTICT501 Research and review hardware technology options for
organisations
ICTICT514 Identify and manage the implementation of current industry
specific technologies
ICTICT515 Verify client business requirements
ICTICT517 Match ICT needs with the strategic direction of the
organisation
ICTNWK502 Implement secure encryption technologies
ICTNWK504 Design and implement an integrated server solution
ICTNWK505 Design, build and test a network server
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ICTNWK506 Configure, verify and troubleshoot WAN links and IP services in a medium enterprise network

ICTNWK509 Design and implement a security perimeter for ICT networks

ICTNWK525 Configure an enterprise virtual computing environment

ICTNWK527 Manage an enterprise virtual computing environment

ICTNWK529 Install and manage complex ICT networks

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

ICTNWK536 Plan, implement and test enterprise communication solutions

ICTNWK615 Design and configure desktop virtualisation

ICTPMG501 Manage ICT projects

ICTSAD506 Produce a feasibility report

ICTSAS517 Use network tools

ICTSAS518 Install and upgrade operating systems

ICTSAS519 Perform systems tests

ICTSAS520 Develop detailed test plans

ICTSUS501 Implement server virtualisation for a sustainable ICT system

ICTSUS601 Integrate sustainability in ICT planning and design projects

ICTSUS602 Establish a business case for sustainability and competitive advantage in ICT projects

ICTTEN611 Produce an ICT network architecture design

Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICT50318 Diploma of Information Technology Systems Administration (Release 1)	ICT50315 Diploma of Information Technology Systems Administration (Release 2)	Updated due to changes to core units of competency	Equivalent qualification

Links

Companion Volume Implementation Guides are available from VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e 9d6aff2

PwC's Skills for Australia