



Australian Government

ICT60515 Advanced Diploma of Computer Systems Technology

Release 1

ICT60515 Advanced Diploma of Computer Systems Technology

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 required to coordinate and administer the installation, commissioning and ongoing maintenance of a range of networks, enterprise servers and systems, including internetworking, security and e-business solutions.

An individual with these skills may be part of a team or provide services as an independent information and communications technology (ICT) specialist.

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 = 18

12 core units plus

6 elective units

The elective units consist of:

- up to 6 from the elective units listed below
- up to 3 from elsewhere in ICT Information and Communications Technology Training Package at Advanced Diploma level
- up to 3 from 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

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

ICTNWK529 Install and manage complex ICT networks

ICTNWK602 Plan, configure and test advanced server based security

ICTNWK607 Design and implement wireless network security

ICTPMG608 Manage ICT project systems implementation

ICTPMG609 Plan and direct complex ICT projects

ICTPRG527 Apply intermediate object-oriented language skills

ICTWEB501 Build a dynamic website

ICTWEB502 Create dynamic web pages

Elective units

ICTDBS504 Integrate database with a website

ICTICT502 Develop detailed component specifications from project specifications

ICTICT604 Identify and implement business innovation

ICTICT609 Lead the evaluation and implementation of current industry specific technologies

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

ICTNWK524 Install and configure network access storage devices

ICTNWK525 Configure an enterprise virtual computing environment

ICTNWK527 Manage an enterprise virtual computing environment

ICTNWK533 Configure and manage advanced virtual computing environments

ICTNWK534 Monitor and troubleshoot virtual computing environments

ICTNWK535 Install an enterprise virtual computing environment
ICTNWK603 Plan, configure and test advanced internetwork routing solutions
ICTNWK605 Design and configure secure integrated wireless systems
ICTNWK610 Design and build integrated VoIP networks
ICTNWK611 Configure call processing network elements for secure VoIP networks
ICTNWK612 Plan and manage troubleshooting advanced integrated IP networks
ICTNWK613 Develop plans to manage structured troubleshooting process of enterprise networks
ICTNWK615 Design and configure desktop virtualisation
ICTNWK616 Manage security, privacy and compliance of cloud service deployment
ICTPRG505 Build advanced user interface
ICTPRG601 Develop advanced mobile multi-touch applications
ICTPRG602 Manage the development of technical solutions from business specifications
ICTSAS517 Use network tools
ICTWEB503 Create web-based programs
ICTWEB505 Develop complex web page layouts

Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICT60515 Advanced Diploma of Computer Systems Technology	ICA60511 Advanced Diploma of Computer Systems Technology	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