# Australian Government

# ICT60215 Advanced Diploma of Network Security

**Release 2**

INDUSTRY
SKILLS
COUNCILS
Creating Australia's Future

# ICT60215 Advanced Diploma of Network Security

## Modification History

| Release | Comments |
| --- | --- |
| Release 2 | This version released with ICT Information and Communications Technology Training Package version 2.0.<br><br>Release 2 created to update unit codes. |
| Release 1 | This version 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 plan, design, manage and monitor an enterprise information and communications technology (ICT) network as an independent ICT specialist or as part of a team responsible for advanced ICT network security systems. The qualification has a high-level ICT technical base with appropriate security units and the ability to specialise in a number of areas, including voice, wireless, network infrastructure and sustainability.

### Licensing/Regulatory Information
*No licensing, legislative or certification requirements apply to this qualification at the time of publication.*

## Entry Requirements

Nil

Innovation and Business Skills Australia

# Packaging Rules

**Total number of units = 12**
**5 core units** *plus*
**7 elective units**

The elective units consist of:

- up to 7 from the elective units listed below
- up to 2 from elsewhere in ICT Information and Communications Technology Training Package at Diploma or Advanced Diploma level
- up to 2 from any other Training Package or accredited course at Advanced Diploma level.

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

**Core units**
ICTNWK502 Implement secure encryption technologies
ICTNWK509 Design and implement a security perimeter for ICT networks
ICTNWK601 Design and implement a security system
ICTNWK602 Plan, configure and test advanced server based security
ICTSUS601 Integrate sustainability in ICT planning and design projects

**Elective units**
BSBPMG517 Manage project risk
CPPSEC5003A Assess security risk management options
CPPSEC5004A Prepare security risk management plan
CPPSEC5005A Implement security risk management plan
CPPSEC5006A Determine strategy for the implementation of biometric technology
CPPSEC5007A Assess biometric system
CPPSEC3009A Prepare and present evidence in court
ICTICT609 Lead the evaluation and implementation of current industry specific technologies
ICTNWK603 Plan, configure and test advanced internetwork routing solutions
ICTNWK604 Plan and configure advanced internetwork switching solutions
ICTNWK605 Design and configure secure integrated wireless systems
ICTNWK606 Implement voice applications over secure wireless networks
ICTNWK607 Design and implement wireless network security
ICTNWK608 Configure network devices for a secure network infrastructure
ICTNWK609 Configure and manage intrusion prevention system on network sensors
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
ICTPMG804 Evaluate and use telecommunications management networks
ICTPMG802 Manage a telecommunications project

ICTSUS602 Establish a business case for sustainability and competitive advantage in ICT projects
ICTSUS804 Use ICT to improve sustainability outcomes
ICTSUS805 Manage improvements in ICT sustainability
ICTTEN811 Evaluate and apply network security

## Qualification Mapping Information

| Code and title current version | Code and title previous version | Comments | Equivalence status |
|---|---|---|---|
| ICT60215 Advanced Diploma of Network Security (Release 2) | ICT60215 Advanced Diploma of Network Security (Release 1) | Updated unit codes. | Equivalent qualification |

## Links

Companion volumes available from the IBSA website:
http://www.ibsa.org.au/companion_volumes -
http://companion_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=18