



**Australian Government**

# **ICT50515 Diploma of Database Design and Development**

**Release 3**

## ICT50515 Diploma of Database Design and Development

### Modification History

Release	Comments
Release 3	This version released with ICT Information and Communications Technology Training Package version 4.0. Release 3 created to update the elective list unit codes and titles.
Release 2	This version released with ICT Information and Communications Technology Training Package version 2.0.  Release 2 created to update unit codes.
Release 1	This version first released with ICA Information and Communications Technology Training Package Version 1.0.

### Qualification Description

This qualification provides skills and knowledge for an individual to be effective in the design and development of ICT database systems. The qualification builds on a base core of design and development competencies with elective choices covering business needs analysis, quality assurance and project management.

#### 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 = 20

**9 core units plus**

**11 elective units**

The elective units consist of:

- up to 11 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

##### **ICTDBS502 Design a database**

ICTICT418 Contribute to copyright, ethics and privacy in an ICT environment

ICTICT502 Develop detailed component specifications from project specifications

ICTNWK514 Model preferred system solutions

ICTPRG425 Use structured query language

ICTPRG509 Build using rapid application development

ICTSAD501 Model data objects

ICTSAD502 Model data processes

ICTSUS601 Integrate sustainability in ICT planning and design projects

#### Elective units

ICTDBS504 Integrate database with a website

ICTICT428 Select cloud storage solutions

ICTICT509 Gather data to identify business requirements

ICTICT514 Identify and manage the implementation of current industry specific technologies

ICTICT517 Match ICT needs with the strategic direction of the organisation

ICTPMG501 Manage ICT projects

ICTPMG606 Manage ICT project quality

ICTPRG503 Debug and monitor applications

ICTPRG504 Deploy an application to a production environment

ICTPRG505 Build advanced user interface

ICTPRG507 Implement security for applications

ICTPRG511 Monitor and support data conversion to new ICT system

ICTPRG515 Review developed software

ICTPRG523 Apply advanced programming skills in another language

ICTPRG531 Prepare for application development using current methods

ICTPRG532 Apply advanced object-oriented language skills

ICTSAD506 Produce a feasibility report

ICTSAS502 Establish and maintain client user liaison

ICTSAS505 Review and update disaster recovery and contingency plans

ICTWEB502 Create dynamic web pages

ICTTEN516 Produce technical solutions from business specifications

## Qualification Mapping Information

<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
ICT50515 Diploma of Database Design and Development (Release 2)	ICT50515 Diploma of Database Design and Development (Release 1)	Updated unit codes.	Equivalent qualification

## Links

Companion Volume Implementation Guides are available from VETNet -

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