



Australian Government

ICT50815 Diploma of Systems Analysis and Design

Release: 2

ICT50815 Diploma of Systems Analysis and Design

Modification History

Release	Comments
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 ICT Information and Communications Technology Training Package Version 1.0.

Qualification Description

This qualification provides the skills and knowledge for an individual to determine client business requirements and to support a project team in the analysis and redesign of systems to ensure they meet client 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 = 21

9 core units *plus*

12 elective units

The elective units consist of:

- up to 12 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

ICTICT401 Determine and confirm client business requirements

ICTICT403 Apply software development methodologies

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

ICTICT502 Develop detailed component specifications from project specifications

ICTICT509 Gather data to identify business requirements

ICTICT511 Match ICT needs with the strategic direction of the enterprise

ICTSUS601 Integrate sustainability in ICT planning and design projects

ICTTEN516 Produce technical solutions from business specifications

Elective units

ICTICT510 Determine appropriate ICT strategies and solutions

ICTICT512 Plan process re-engineering strategies for business

ICTICT514 Identify and manage the implementation of current industry specific technologies

ICTNWK514 Model preferred system solutions

ICTPMG501 Manage ICT projects

ICTPRG418 Apply intermediate programming skills in another language

ICTPRG509 Build using rapid application development

ICTPRG514 Prepare for software development using rapid application development

ICTPRG515 Review developed software

ICTPRG518 Monitor the system pilot

ICTPRG524 Develop high-level object-oriented class specifications

ICTPRG527 Apply intermediate object-oriented language skills

ICTSAD501 Model data objects

ICTSAD502 Model data processes

ICTSAS422 Scope implementation requirements

ICTSAS502 Establish and maintain client user liaison

ICTSAS505 Review and update disaster recovery and contingency plans

ICTSAS506 Update ICT system operational procedures

ICTSAS507 Implement and evaluate systems for regulatory and standards compliance

ICTSAS513 Develop detailed test plans

ICTTEN501 Provide consultancy and technical support in the customer premises equipment sector

Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICT50815 Diploma of Systems Analysis and Design (Release 2)	ICT50815 Diploma of Systems Analysis and Design (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