Australian Government

ICT50818 Diploma of Systems Analysis and Design

Release 1

ICT50818 Diploma of Systems Analysis and Design

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 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
ICTICT517 Match ICT needs with the strategic direction of the
organisation
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

ICTPRG515 Review developed software

ICTPRG518 Monitor the system pilot

ICTPRG524 Develop high-level object-oriented class specifications

ICTPRG527 Apply intermediate object-oriented language skills

ICTPRG531 Prepare for application development using current methods

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

ICTSAS520 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

Code and title current version	Code and title previous version	Comments	Equivalence status
ICT50818 Diploma of Systems Analysis and Design (Release 1)	ICT50815 Diploma of Systems Analysis and Design (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-b778-71c9e9d6aff2

PwC's Skills for Australia