Australian Government

ICT50815 Diploma of Systems Analysis and Design

Release 1

ICT50815 Diploma of Systems Analysis and Design

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 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
ICTSUS6233A Integrate sustainability in ICT planning and design projects
ICTTEN5204A 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
ICTTEN5024A 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	ICA50811 Diploma of Systems Analysis and Design	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

Innovation and Business Skills Australia