



Australian Government

**ICTSUS802 Conduct a business case study
for integrating sustainability in ICT
planning and design projects**

Release: 1

ICTSUS802 Conduct a business case study for integrating sustainability in ICT planning and design projects

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Application

This unit describes the skills and knowledge required to establish a business case to justify innovative implementation of sustainability in information and communications technology (ICT) planning and design projects, including accessing industry information and applying legislative guidelines.

It applies to individuals who may be working in a role as a project manager, planner and designer, consultant or contractor and who has responsibility for conducting or managing ICT projects to plan and conduct cost-benefit analysis and return on investment for the implementation of sustainable schemes at the enterprise level.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Sustainability

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Scope project for establishing business case for integrating sustainability in ICT project	1.1 Critically analyse proposed ICT project specifications to determine scope and extent of sustainability integration in design aspects 1.2 Critically analyse and evaluate expected goals of project and relate business case to broader organisational goals 1.3 Research appropriate sources of information relevant to project

ELEMENT	PERFORMANCE CRITERIA
	to prepare business case for validation with stakeholders
2. Plan and conduct business case for sustainable ICT project	2.1 Evaluate critical success factors to determine vital strategy for project to implement sustainability and gain competitive advantage 2.2 Produce estimate of costs projected over appropriate time period and determine potential for return on investment for proposed design and implementation plan 2.3 Conduct cost–benefit analysis to determine financial gain of derived overall benefit obtained by integrating sustainability into project 2.4 Produce executive summary for stakeholders on proposal, including risk analysis if sustainability component activity is not implemented
3. Devise management strategies for integrating sustainability into ICT project	3.1 Initiate and progress sustainable management principles that result in reduced environmental impact 3.2 Establish, regularly review and improve key performance indicators (KPIs) on sustainability performance 3.3 Incorporate innovative planning and design rules for ICT projects that foster sustainability and environmental best practice 3.4 Produce energy usage projection using estimated carbon dioxide emissions with comparable benchmarks and provide detailed report to support long-term benefits

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Writing	2.2, 2.3, 2.4, 3.2, 3.3	<ul style="list-style-type: none"> Generates complex written reports, business cases and executive summaries, demonstrating control over a broad range of writing styles and purposes Prepare documents requiring precise expression, language and structures suited to intended audience
Numeracy	2.2, 2.3	<ul style="list-style-type: none"> Analyses and synthesises highly embedded mathematical information for business case, budgets, workforce requirements and related sustainability benchmarks

Navigate the world of work	3.1, 3.3, 3.4	<ul style="list-style-type: none"> • Works autonomously, making high level decisions to achieve and improve organisational goals • Develops and implements strategies that ensure organisational policies, procedures and regulatory requirements are being met • Monitors and reviews the organisation's policies, procedures and adherence to legislative requirements to implement and manage change
Interact with others	2.4	<ul style="list-style-type: none"> • Uses a variety of relevant communication tools and strategies in building and maintaining effective working relationships • Influences and fosters a collaborative culture, facilitating a sense of commitment and workplace cohesion • Understands diversity and seeks to integrate diversity into the work context for managing change, making decisions and achieving shared outcomes
Get the work done	1.1-1.3, 2.1, 2.3, 2.4, 3.1-3.4	<ul style="list-style-type: none"> • Plans strategic priorities and outcomes within a flexible, efficient and effective context in a diverse environment exposed to competing demands • Identifies key factors that impact on decisions and their outcomes, drawing on experience, competing priorities and decision-making strategies where appropriate • Explores and incubates new and innovative ideas through unconstrained analysis and critical thinking to develop and improve the organisation's goals • Uses digital technologies to manage business operations and actively investigates new technologies for strategic and operational purposes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTSUS802 Conduct a business case study for integrating sustainability in ICT	ICASUS702A Conduct a business case study for integrating sustainability in IT planning	Updated to meet Standards for Training Packages. Minor edits to	Equivalent unit

Code and title current version	Code and title previous version	Comments	Equivalence status
planning and design projects	and design projects	the competency title. Recoded and minor changes to performance criteria to meet AQF requirements.	

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>