



**Australian Government**

# **ICTSUS602 Establish a business case for sustainability and competitive advantage in ICT projects**

**Release: 1**

# ICTSUS602 Establish a business case for sustainability and competitive advantage in ICT projects

## Modification History

| Release   | Comments                                                                                                     |
|-----------|--------------------------------------------------------------------------------------------------------------|
| Release 1 | This version first released with ICT Information and Communications Technology Training Package Version 2.0. |

## Application

This unit describes the skills and knowledge required to seek business advantages by developing innovative and sustainable solutions in information and communications technology (ICT) project plans.

It applies to individuals who prepare planning, cost-benefit analysis and return on investment for the implementation of sustainable schemes at the enterprise level and who work with high-level specialist training skills and knowledge in optical telecommunications and IT networks using internet protocol (IP) systems.

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

## Unit Sector

Telecommunications – sustainability

## Elements and Performance Criteria

| Elements                                                | Performance Criteria                                                                                                                                                                                                                                                       |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes</i>         | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                     |
| 1. Prepare information for establishing a business case | 1.1 Evaluate proposed ICT project to determine scope and potential of sustainability integration<br>1.2 Research appropriate sources of information relevant to project to prepare business case<br>1.3 Analyse and evaluate expected goals of project and relate business |

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                         | <p>case to broader organisational goals</p> <p>1.4 Identify and consult with stakeholders to plan and validate options</p> <p>1.5 Identify and report on any assumptions and known constraints that can impact on project</p>                                                                                                                                                                                                                                                                                                       |
| 2. Produce business case for ICT sustainability project | <p>2.1 Evaluate critical success factors to determine vital strategy for project to successfully implement sustainability and gain competitive advantage</p> <p>2.2 Prepare cost-benefit analysis and estimate overall benefit obtained by introducing or improving sustainability in project</p> <p>2.3 Prepare estimate of costs over appropriate time period and determine potential of return on investment (RoI)</p> <p>2.4 Evaluate and analyse alternative options to determine benefits, disadvantages, costs and risks</p> |
| 3. Produce business case documentation                  | <p>3.1 Validate options with stakeholders and determine recommended option</p> <p>3.2 Prepare implementation plan for recommended option for ICT project</p> <p>3.3 Produce executive summary of proposal, including consequences of not implementing sustainability activity</p>                                                                                                                                                                                                                                                   |

## 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                                                                                                                                                                                                                                                                                 |
|--------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reading            | 1.2, 1.3, 2.1               | <ul style="list-style-type: none"> <li>Analyses and evaluates complex textual information to determine technical solutions and to evaluate the benefits of improving or introducing sustainability</li> </ul>                                                                               |
| Writing            | 1.4, 1.5, 2.2, 2.3, 3.1-3.3 | <ul style="list-style-type: none"> <li>Prepares a business case for diverse audiences using precise language and specialised terminology to convey an understanding of outcomes and alternatives</li> <li>Uses specific language to record technical requirements and procedures</li> </ul> |
| Oral Communication | 1.1, 1.4, 1.5, 3.1          | <ul style="list-style-type: none"> <li>Clearly articulates and validates policy and strategy benefits for project requirements using specific language suitable for different audiences to convey requirements</li> </ul>                                                                   |

|                            |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            |                             | <ul style="list-style-type: none"> <li>• Uses listening and questioning techniques to confirm understanding</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Numeracy                   | 2.2-2.4                     | <ul style="list-style-type: none"> <li>• Uses mathematical formulae to analyse and confirm capacity requirements and to plan budgetary and workforce needs</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Navigate the world of work | 1.3                         | <ul style="list-style-type: none"> <li>• Recognises and responds to both explicit and implicit organisational procedures and protocols</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Get the work done          | 1.1-1.3, 1.5, 2.1, 2.2, 2.4 | <ul style="list-style-type: none"> <li>• Develops plans to manage relatively complex, non-routine tasks with an awareness of how they may contribute to longer term operational and strategic goals</li> <li>• Takes responsibility for own workload, negotiating some key aspects with others</li> <li>• Systematically gathers and analyses all relevant information and evaluates options to make informed decisions</li> <li>• Understands key principles and concepts underpinning the design and operation of digital systems and tools, and applies these when seeking to understand the potential of new technology</li> <li>• Uses analytical processes to decide on a course of action, establishing criteria for deciding between options</li> </ul> |

## Unit Mapping Information

| Code and title<br>current version                                                                | Code and title<br>previous version                                                                 | Comments                                        | Equivalence status |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|
| ICTSUS602 Establish a business case for sustainability and competitive advantage in ICT projects | ICTSUS6234A Establish a business case for sustainability and competitive advantage in ICT projects | Updated to meet Standards for Training Packages | Equivalent unit    |

## Links

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

## Assessment Requirements for ICTSUS602 Establish a business case for sustainability and competitive advantage in ICT projects

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### Performance Evidence

Evidence of the ability to:

- demonstrate a measurable improvement of a business through the implementation of a chosen strategy using benchmark indicators
- communicate effectively with stakeholders on approaches to sustainability improvements, development and implementation, and contribute to resolution of disputes among stakeholders
- use software systems for recording and filing documentation, measuring current usage, and interpreting all visual data and information
- identify improvements and benchmarks against industry best practice by continuously reviewing and improving policies over time.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

### Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- summarise best practice approaches relevant to sustainability
- discuss environmental and sustainability legislation, regulations and codes of practice applicable to the industry and organisation
- describe equal employment opportunity, equity and diversity principles and work health and safety (WHS) implications of policy being developed
- explain policy development processes and practices
- outline principles, practices and available tools and techniques of sustainability management relevant to the information and communications technology (ICT) industry
- elucidate quality assurance systems relevant to own organisation
- discuss relevant industry competency

- evaluate relevant organisational policies, procedures and protocols as they relate to sustainability
- summarise relevant systems and procedures to aid in the achievement of workplace sustainability
- explain how to calculate ICT power consumption
- discuss energy consumption and energy audit methodology
- summarise the environmental impacts of products, processes, systems and services.

## Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the telecommunications – sustainability field of work and include access to:

- sites on which preparation of a business case for introducing or improving sustainability in an ICT project may be carried out
- relevant legislation, standards, guidelines, reports, and equipment specifications and drawings
- a range of workplace documentation and personnel information and resources, such as compliance obligations, organisational plans and work responsibilities.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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