



Australian Government

ICTSUS804 Use ICT to improve sustainability outcomes

Release: 1

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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 use ICT tools and technologies to improve sustainability outcomes for a range of industries through monitoring and reporting on greenhouse gas emissions.

It applies to individuals with a high level of autonomy who are excellent communicators with telecommunications and systems skills and management abilities.

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. Design and manage a sustainability audit	1.1 Use audit tool that reflects criteria of benchmark, nature of risks, relevant information and data types, evaluation of performance and legislative requirements 1.2 Define scope, objectives and benchmarks for audit in consultation with relevant stakeholders 1.3 Document requirements for audit resources, timing, schedule and responsibilities consistent with industry best practice and relevant standards 1.4 Ensure collection strategies are objective and systematic, and that information and data is valid and reliable

ELEMENT	PERFORMANCE CRITERIA
	1.5 Report outcomes clearly and concisely, including benefits to be achieved by adoption of audit recommendations
2. Monitor energy consumption and emissions	2.1 Analyse requirements of National Greenhouse and Energy Reporting System (NGERS) and other relevant legislation and industry standards in relation to a range of industries and needs of specific organisations 2.2 Identify links with functional areas and environmental management systems to ensure comprehensive information and data collection 2.3 Determine hardware and software required for collecting, collating, analysing and reporting emissions-related information and data 2.4 Factor requirement for an external audit into the monitoring proposal 2.5 Critically evaluate energy consumption and emissions data 2.6 Develop improvement strategies based on review of data 2.7 Use industry best practice as quality benchmark
3. Develop ICT solutions to improve sustainability outcomes	3.1 Research and analyse mitigation and adaptation strategies appropriate for a range of industries 3.2 Benchmark and document performance expectations in consultation with relevant stakeholders 3.3 Develop and document technical specifications including hardware, software, networking, interface and security and hazard management requirements 3.4 Determine timelines, resources and costs for implementation and ongoing monitoring and maintenance 3.5 Analyse impact of ICT solution in relation to performance benchmarks 3.6 Analyse opportunities and develop recommendations to improve sustainability of enterprise products, services and processes 3.7 Present report for client sign-off

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	1.1, 2.1, 2.2, 2.5-2.7, 3.3	Identifies, analyses and evaluates complex textual information to inform sustainability solutions
Writing	1.2, 1.3, 1.5, 2.4, 2.6, 3.2, 3.3, 3.6, 3.7	Produces detailed reports and related documentation and develops recommendations using precise language and specialised terminology to convey understanding of outcomes
Oral Communication	1.2, 1.5, 3.2, 3.7	Articulates clearly using specific language suitable to client and stakeholder audiences to convey requirements, and uses listening and questioning techniques to confirm understanding
Numeracy	1.1, 2.5, 3.4	- Uses mathematical formulae to plan budgetary requirements and evaluate timelines for solution implementation and ongoing monitoring requirements - Interprets complex energy consumption and emissions data to identify workplace improvements
Navigate the world of work	1.1, 1.3, 2.1	Recognises and responds to both explicit and implicit organisational procedures and protocols and legislative/regulatory requirements
Get the work done	1.1-1.4, 2.2, 2.3	- Develops flexible plans for complex, high impact activities with strategic implications involving diverse stakeholders with potentially competing demands - Takes responsibility for defining key aspects of own workload, balancing own needs and priorities with those of the work group - Systematically gathers and analyses all relevant information and evaluates options to make high-impact and informed decisions - Considers strategic and operational potential of digital trends to achieve work goals, enhance work processes, create opportunities and reduce risks

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTSUS804	ICTSUS7235A	Updated to	Equivalent

Code and title current version	Code and title previous version	Comments	Equivalence status
Use ICT to improve sustainability outcomes	Use ICT to improve sustainability outcomes	meet Standards for Training Packages. Recoded and minor changes to PC's to meet AQF requirements.	unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>