



Australian Government

CPPCMN4012 Contribute to sustainable solutions throughout a building's life cycle

Release: 1

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Modification History

Release 1 This version first released with CPP Property Services Training Package Release 15.0.

Supersedes and is equivalent to CPPCMN4012A Contribute to sustainable solutions throughout a building's life cycle. Unit updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to participate in the implementation of policies and practices that are environmentally responsible and resource-efficient throughout a building's life cycle, from construction to demolition. It includes researching and implementing policies and practices that address sustainability issues, enhance the internal environmental quality, reduce waste, use resources efficiently and include alternative and renewable energy solutions. Sustainable practices include retrofitting of 'green' solutions and building maintenance.

The unit supports individuals who work independently using specialised knowledge to implement sustainable solutions across a range of property services sectors.

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

Pre-requisite Unit

Nil.

Unit Sector

Common.

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

1 Develop understanding 1.1
of environmental
impacts during a
building's life cycle.

Research and document the purpose, benefits and practices of identifying and addressing the environmental impact of a building during its life cycle and use findings to inform client services.

	1.2	Research and document concepts and models associated with the environmental life cycle of buildings and use findings to inform client services.
	1.3	Identify and assess the range of products and services available to support the sustainable and effective management of buildings.
2 Analyse and communicate effective environmental solutions.	2.1	Analyse the benefits of adopting strategies that contribute to reducing the environmental impact over a building's life cycle and communicate findings to clients.
	2.2	Analyse current workplace products or services to identify benefits and contributions to reducing environmental impacts to meet client requirements.
	2.3	Seek specialist advice from relevant persons, as required, to meet client requirements.
3 Support implementation of effective environmental solutions.	3.1	Provide advice to client on implementing recommended solutions to ensure environmental benefits are maximised.
	3.2	Conduct checks to ensure environmental solutions comply with relevant regulatory requirements and industry best practice to ensure optimum environmental performance.
	3.3	Provide relevant environmental solutions documentation, including 'green' certification and environmental performance ratings, to client and explain its purpose.

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPPCMN4012A Contribute to sustainable solutions throughout a building's life cycle.

Links

Companion volumes to this training package are available at the VETNet website -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>

Assessment Requirements for CPPCMN4012 Contribute to sustainable solutions throughout a building's life cycle

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Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by contributing to environmentally effective solutions to improve the sustainability of a building during its life cycle to meet the needs of two different clients.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- commonwealth, state and territory legislation, regulations, codes and standards relevant to the sustainability of buildings:
 - building control, including local government regulations and by-laws
 - energy rating standards
 - environmental protection
 - ISO 14001 *Environmental management systems – Requirements with guidance for use* (or its successor)
 - National Construction Code (NCC)
- concepts and models of building life cycle management
- concepts of risk management planning and processes
- environmental and resource hazards
- environmental life cycle of buildings
- industry quality and best practice associated with building sustainability
- meaning of 'green' solutions and strategies, tools and products to reduce the environmental impact of buildings
- research techniques and methodologies
- sustainability principles and practices commonly applied in the construction and property services industries
- workplace requirements for contributing to environmentally effective solutions to improve building sustainability:
 - client service

- policies and procedures, products or services to support the sustainability of buildings.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment must be conducted in the workplace or a simulated workplace using realistic conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Candidates must have access to documentation, information and technologies required to achieve the performance criteria and performance evidence.

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