



Australian Government

CPCCBBC4021 Minimise waste on the building and construction site

Release: 3

CPCBC4021 Minimise waste on the building and construction site

Modification History

- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.4.
Correction to Training Package title in the Modification History from CPC Property Services to CPC Construction, Plumbing and Services Training Package.
- Release 1 This version first released with CPC Property Services Training Package Release 5.0.
Supersedes and is equivalent to CPCBC4021A Minimise waste on the building and construction site. Updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to support sustainable building practices by minimising waste removed from residential or commercial building and construction sites. It includes planning a waste minimisation strategy, calculating cost benefits and implementing alternative waste minimisation systems.

This unit of competency applies to builders, site managers and forepersons, and estimators in the building and construction industry responsible for managing compliance with waste regulations and minimising waste on construction sites.

This unit of competency is suitable for those using specialised knowledge to complete routine and non-routine tasks and using their own judgement to deal with predictable and sometimes unpredictable problems.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of CPCWHS1001 Prepare to work safely in the construction industry meets this requirement.

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

Pre-requisite Unit

Nil.

Unit Sector

Building and Construction

Elements and Performance Criteria

Elements describe the essential outcomes.

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

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| 1 Plan a waste management strategy. | 1.1 Identify current government and council environmental requirements for managing and minimising building waste. |
| | 1.2 Research environmental guidelines and standards and develop an alternative waste management strategy to support the building and construction project. |
| | 1.3 Calculate costs, potential savings and advantages of a waste management strategy and negotiate with client. |
| | 1.4 Establish effective communication with the architect, designer, engineer and other relevant professionals to ensure project plans incorporate waste minimisation strategies. |
| 2 Manage materials procurement to minimise waste. | 2.1 Evaluate building and construction materials to identify high quality and more durable materials that will extend the life of the structure and simplify its future extension and refurbishment. |
| | 2.2 Use recycled materials where appropriate that meet regulatory and standards' restrictions. |
| | 2.3 Develop procurement specifications that seek to minimise packaging waste. |
| 3 Manage the building process to reduce waste. | 3.1 Determine and use demolition practices to increase the recovery of materials for recycling and reuse. |
| | 3.2 Adopt strategies to minimise the volume of site excavation and other materials that are disposed of in landfill. |
| | 3.3 Adopt litter abatement strategies on site. |

- 3.4 Plan and implement safe and environmentally effective disposal of unavoidable waste.

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 CPCCBC4021A Minimise waste on the building and construction site.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCBC4021 Minimise waste on the building and construction site

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Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by developing and implementing an alternative sustainable waste management strategy to minimise building and construction waste for one residential and one commercial building and construction site.

In doing this, the candidate must:

- include the principles of sustainable waste management appropriate to each project
- develop the waste management strategies to comply with environmental and sustainability regulations and guidelines.

Knowledge Evidence

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

- building and construction methods and principles
- government building and construction regulations
- building and construction standards and codes
- the National Construction Code (NCC)
- environmental and sustainability regulations
- minimising adverse environmental impacts and promoting sustainability by:
 - effective, efficient and economical procurement of materials and products
 - assessment of whole of life cycle of materials and products
 - engaging with environmentally responsible suppliers

- managing resource demand and consumption
- managing environmental risk
- recycling, reclaiming and reusing materials
- onsite litter abatement
- packaging waste reduction
- workplace procedures and workplace safety requirements
- digital tools and devices to communicate and collaborate effectively with others
- a range of digitally-based technology and applications to research environmental guidelines and standards and compile information electronically.

Assessment Conditions

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

Assessment can be undertaken in the workplace or in a simulated workplace environment.

A simulated environment is one that realistically replicates workplace conditions, materials and equipment, interactions with others and workplace irregularities, and which meets industry standards for safety and environmental practices.

Candidates must have access to:

- relevant government and council building and construction environmental and sustainability requirements
- current building and construction codes and standards
- construction drawings and specifications and other quality documentation required to undertake the performance criteria and assessment requirements
- digital devices, applications and software to access, extract and manipulate relevant information electronically to use and share with others.

Links

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