



Australian Government

**Assessment Requirements for
CPCCB4019 Apply sustainable building
design principles to water management
systems**

Release: 1

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Modification History

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCBC4019A Apply sustainable building design principles to water management systems. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by applying sustainable building design principles to the water management system of one Class 1 or 10 building, up to two storey or one Class 2 to 9, Type C building project.

In doing this, the candidate must:

- source and analyse legislative and planning requirements for water management design
- apply the principles of effective water use, recycling and reusing in the planning process
- calculate costs and savings of implementing an alternative water management system
- produce work plans that reflect effective water management.

Knowledge Evidence

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

- building and construction codes and standards
- the National Construction Code (NCC)
- government building and construction legislation
- environmental requirements
- sustainability principles and concepts
- building and construction industry contracts
- construction plans and specifications
- water management systems:
 - grey water recycling
 - roof water reuse
- fixtures and appliances:
 - dishwashers
 - showerheads (low flow and maxi flow)
 - spas

- taps
- toilets
- washing machines
- waste management practices:
 - run-off from the cleaning up of equipment:
 - painting
 - concreting
 - plastering
 - brickwork
 - on-site waste management
- workplace safety requirements
- workplace procedures.

Assessment Conditions

Assessors must satisfy the requirements for assessors listed 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 be provided with:

- relevant government building and construction regulations
- current building and construction codes and standards
- the NCC
- construction plans, site plans and specifications
- policies and procedures
- environmental, sustainability and other quality documentation to undertake the performance criteria and evidence requirements
- digital technology devices, applications and software to source and document information.

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>