



**Australian Government**

# **Assessment Requirements for AHCPER509 Design permaculture structures and features**

**Release: 1**

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## Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

## Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- develop a design brief
- undertake a site analysis
- develop a concept design
- produce a final plan
- prepare a bill of quantities and estimates

## Knowledge Evidence

The candidate must demonstrate knowledge of:

- permaculture design process including:
  - site survey
  - needs analysis
  - bioregional analysis
  - zone and sector analysis
- construction and engineering principles
- drafting techniques
- cost estimating
- environmental, resource and energy implications of building materials, such as:
  - thermal mass
  - insulation
  - embodied energy
  - embedded energy
  - cradle to grave planning
  - passive heating and cooling systems

- the following alternative and natural building materials and techniques: earth, straw bale, pole construction and passive solar principles

## Assessment Conditions

Assessors must satisfy current standards for RTOs. Assessors must also have a nationally accredited Diploma of Permaculture. Completion of a Permaculture Design Course (PDC) or non-accredited Permaculture Diploma is not sufficient at this level.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>