



Australian Government

Assessment Requirements for AHCPER327 Install structures for permaculture systems

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has prepared and installed structures for permaculture systems from design plans for at least two of the following types of structures:

- garden structure or feature
- fence or trellis
- animal house or shelter
- netted protection for plants
- paving and decking
- compost bin
- worm-farm
- retaining wall not requiring a permit
- small shed or outbuilding
- building component.

There must also be evidence that the individual has:

- interpreted permaculture design drawings and specifications
- checked regulatory requirements for construction
- identified the construction method
- selected and prepared materials for construction method, which must include at least three of the following materials:
 - new or reclaimed timber
 - bamboo
 - straw
 - earth
 - new or reclaimed housing components
 - hard landscape materials

- wire, mesh or nets
- metal
- glass or clear synthetic materials
- identified hazards, assessed risks and implemented controls, including checked for underground and overhead services
- surveyed site, and located and marked out location of structure
- measured component materials accurately during preparation and assembly
- assembled structure according to plans
- checked and confirmed permaculture structure with client.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- permaculture principles regarding structures and built environment
- permaculture design drawings, plans and specifications, including:
 - plan interpretation
 - construction and detail drawings
 - extracting construction data from plans
- building regulations and compliance for simple structures
- basic surveying techniques for small scale construction works, including:
 - measuring slope, fall and contours
 - linear measurements
 - use and operation of basic survey equipment
- typical permaculture structures
- hand and power tools, including:
 - pre-use checks, maintenance and operation
 - safety requirements
- workplace health and safety procedures and site safety, including:
 - excavation risks and underground services
 - overhead services
 - safe lifting and transporting techniques
 - personal protective clothing and equipment (PPE)
 - use and installation of safety signs and barriers
 - site access points
- environmental implications associated with excavation and construction activity, including:
 - implication of alteration to water flow
 - waste disposal
 - natural environment
- measuring and mixing composite and aggregate materials, including:

- concrete and mortar
- earth and straw
- rammed and stabilised earth walls.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated at a permaculture site or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - hand and power tools and equipment for installing permaculture structures
 - personal protective equipment
 - building materials and consumables
- specifications:
 - workplace procedures and processes
 - manufacturer operating instructions for equipment and machinery
 - permaculture structure design plans and specifications
 - site service location plans
 - construction permits according to structure design
- relationships:
 - stakeholder/s.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>