AHCPER405 Select appropriate technology for a permaculture system

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to select appropriate technologies for permaculture systems. It includes identification, research, evaluation, selection and communication of sustainable technology for permaculture applications.

All work is carried out to comply with workplace procedures.

This unit applies to individuals who analyse information and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems.

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

Pre-requisite Unit

Nil.

Unit Sector

Permaculture (PER)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Investigate appropriate technology for permaculture systems	1.1 Review design needs and requirements for potential applications of appropriate technology 1.2 Identify relevant sources and locations of information on appropriate technology

Element	Performance criteria
	1.3 Determine required scale of appropriate technology
	1.4 Identify permaculture principles and practices relevant to the appropriate technology
2. Research appropriate technology for permaculture systems	2.1 Research potential appropriate technology options for the project
	2.2 Determine unique characteristics of different appropriate technology options
	2.3 Research applications of alternative technologies
	2.4 Research requirements for integrating new technology with existing permaculture systems
	2.5 Determine capital cost of installation
	2.6 Determine training and maintenance required for operation of the different options
3. Evaluate appropriate technology for permaculture systems	3.1 Evaluate potential for integrating new appropriate technologies in the permaculture system design
	3.2 Compare potential alternative technologies against cost and efficiency criteria
	3.3 Evaluate risks and obstacles of potential appropriate technology options
4. Select appropriate technology for permaculture systems	4.1 Select suitable appropriate technology for the design use
	4.2 Determine availability of appropriate technology
	4.3 Confirm cost and mode of delivery
5. Communicate appropriate technology for permaculture systems	5.1 Report on research, evaluation and selection of appropriate technology
	5.2 Communicate location and detail of selected appropriate technology option on the permaculture design using appropriate drafting and drawing techniques
	5.3 Explain appropriate technology and reason for selection to client

Foundation Skills

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

Range of Conditions

Unit Mapping Information

New unit - equivalent to QLD124BUI05B.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72