



Australian Government

Assessment Requirements for AHCDES402 Apply sustainability principles to landscape design

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 7.0.

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 applied sustainability principles to landscape design on at least one occasion, and has:

- analysed and applied the principles of sustainability in landscape design to evaluate designs and make recommendations on improving sustainability
- applied relevant workplace health and safety and environmental legislation, regulations and workplace procedures
- interpreted specifications and plans
- evaluated landscape designs and made recommendations for improvements
- sought, analysed and applied feedback from key stakeholders on recommendations to improve sustainability.

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:

- principles of sustainability and their application to landscape design, including:
 - environmental, ecological, economic and social resources relevant to sustainable design
 - sustainable use of resources in the landscape
 - materials commonly used in landscape design
 - systems-based thinking
 - cradle-to-cradle design, including life cycle mapping and assessment
 - alternative design strategies
- workplace health and safety and environmental legislation and regulations and workplace procedures relevant to sustainable landscape design
- sustainable design principles, including ensuring that natural and built landscape:

- preserves, improves and protects existing water catchments
- harvests water if appropriate
- minimises the depletion of materials and resources
- minimises the use of energy
- minimises land degradation
- attaches value to and preserves in-situ soils
- allows for carbon sequestration
- uses plants that contribute to and enhance the future environment
- maintains biodiversity through healthy ecosystems
- designs for habitat
- improves the wellbeing of humankind and all living organisms
- minimises waste.

Assessment Conditions

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

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - landscape designs
 - site information, documentation and data applicable to sustainable landscape design
- specifications:
 - legislation, standards, policies and procedures relevant to sustainable landscape design
 - workplace health and safety and environmental legislation and regulations and workplace procedures applicable to sustainable landscape design
- relationships:
 - key stakeholders
- timeframes:
 - according to job requirements.

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>