



Australian Government

Assessment Requirements for AHCNRM505 Provide technical advice on sustainable catchment management

Release: 2

Assessment Requirements for AHCNRM505 Provide technical advice on sustainable catchment management

Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

Performance Evidence

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

There must be evidence that, on at least one occasion, the individual has provided technical advice on sustainable catchment management to land managers in a catchment area or region, according to state and regional legislation, regulations and strategies and stakeholder requirements.

There must also be evidence that the individual has:

- reviewed state and regional legislation, regulations and strategies for relevance to responsibilities of land managers
- analysed issues, processes and techniques in sustainable land management
- assessed land management practices in complying with long-term objectives of a catchment or region
- sourced and communicated advice on sustainable land management practices to a variety of land managers in a knowledgeable and non-threatening manner.

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:

- geological processes and influences on land management, including:
 - rock types and weathering
 - soil formation and soil types
- ecological processes, including:
 - energy flow through ecological systems
 - matter flow through ecological systems

- nutrient cycling
- land degradation processes and impacts, including:
 - soil compaction
 - erosion
 - tree decline
 - pest plant and animal infestations
 - eutrophication
 - acidification
 - salinity
 - fertility decline
- catchment management principles, including:
 - catchment planning priorities and programs
 - roles and responsibilities of land users in catchments
- biodiversity, including:
 - basic plant identification techniques
 - animal identification
 - ecological vegetation communities
- whole property planning principles:
 - energy flows
 - sustainable water management
 - land capability.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated in an environment that accurately represents workplace conditions
- specifications:
 - workplace policies, procedures and processes for catchment management
 - catchment management plans
 - legislation and regulations for catchment management
- relationships:
 - land managers.

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

Links

Companion Volume implementation guides are found in VETNet -

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