



Australian Government

**Assessment Requirements for AHCECR504
Manage implementation of ecological
restoration programs**

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 6.0.

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, on at least one occasion, inspected an ecological site and managed the implementation of an ecological restoration program for an ecological restoration design or plan.

There must also be evidence that the individual has:

- identified essential elements of ecological restoration program
- conducted a site assessment for implementing ecological restoration works
- confirmed restoration techniques for the program according to planned objectives
- ensured program complies with relevant legislative and program requirements
- calculated labour and other resources required for program
- recorded, monitored and reported on labour and other resource requirements
- monitored progress and quality of restoration program delivery
- reviewed ecological restoration implementation program against intended outcomes in management plan.

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:

- biotic and abiotic factors affecting ecological sites, and restoration interventions that can be applied
- principles and methods of prevention and control of weeds and pests
- project management skills, including:
 - work health and safety, environmental and quality hazards associated with restoration works, and controls necessary to remove or ameliorate associated risks
 - calculations for resource requirements, costs and charges
 - preparation of plans, budgets and works reporting

- financial recording, tracking and reporting
- use of project management software
- leading a team
- ecological restoration and management principles, including:
 - planning process, particularly interpreting goals and indicators of success
 - site assessment and evaluation techniques
 - methods of analysing soils, waterways and their condition and threats
 - natural regeneration potential and limits
 - factors affecting the timing and method of plant establishment
- sustainable land and aquatic management strategies, including:
 - reducing degradation of specific ecosystems
 - use of available resources
 - environmental sustainability as a ‘whole-system’ approach
- environmental issues, including:
 - water use and water catchments
 - pollution sources and damage potential
 - waste minimisation and sustainable disposal
 - natural and human threats to ecological sites
 - soil type and geology for revegetation and site access
 - interactions between production systems and ecological sites
- ecological principles related to management of ecological sites, including:
 - maintaining ecosystem structures and habitat
 - maintaining and reinstating connectivity
 - interactions between flora and fauna and their roles in ecosystems
 - vegetation and other ecosystem types and their general characteristics for management
 - identification of plant and animal threats to treated areas, and appropriate control methods
 - identification of plant and animal assets and their ecological requirements
- importance of biodiversity in managing ecological sites, including:
 - terrestrial plants and basic plant community structures
 - water plant communities and interaction in saline environments
 - methods for conserving biodiversity
- state/territory legislative requirements related to revegetation works, environmental protection and biosecurity standards
- communication skills for various stakeholders, including special interest groups, government agencies, professional bodies and community.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated on an ecological restoration site
- resources, equipment and materials:
 - equipment, machinery, plants and consumables specified in restoration plan
- specifications:
 - workplace policies and procedures for preparing plans
 - restoration scope and budgetary constraints
 - legislation and regulations relevant to ecological restoration works and biosecurity
- relationships:
 - client
 - stakeholders/groups
 - work team and/or contractors.

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>