



Australian Government

Assessment Requirements for AHCECR301 Maintain native ecosystem areas

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 planned and prepared resources to maintain a natural area, as well as maintained a natural area in any two different ecological environments.

There must also be evidence that the individual has:

- accessed site and minimised damaging impact
- consulted with stakeholders, including traditional owners, about pending maintenance works
- carried out planned maintenance works with minimal damaging impacts to environment, and according to workplace health and safety practices
- selected and applied protective structures, devices and signs
- cleaned site and removed surplus materials and waste
- reported completion of activities to supervisor
- applied biosecurity measures and sustainable practices during work.

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:

- ecological principles related to maintaining natural areas, including:
 - recognition of fundamental ecosystem structures and required maintenance
 - interactions between flora and fauna and impact on ecological stability when poorly maintained
 - vegetation types and their general characteristics for replication in maintenance activities
- importance of biodiversity in an ecologically stable community:
 - terrestrial plants and basic plant community structures

- marine and water plants and interaction with marine creatures
- contribution of maintenance works on preserving biodiversity
- intricate relationships between microbiota, including insects, molluscs, worms and microbes, and impact on maintenance practices
- environmental factors to be considered in maintenance works, including:
 - ecology in land based, coastal zones or marine parks
 - marine, shore and terrestrial species
 - natural and human threats to places of natural significance
 - pollution sources and damage potential
 - soil type and geology for access and performing maintenance activities
- basic protection/restoration or rehabilitation methods
- protocols of engaging with traditional owners and the consultation process
- seeding techniques, including:
 - hand seeding
 - broadcast sowing
 - ripping trailed machinery
- vegetation replacement methods and their application in restoration programs, including:
 - assisted natural regeneration
 - planting
 - seeding
 - transplanting
- recognition of common weeds and pests and their impact on natural areas, including:
 - weed control methods and application, including use of herbicides
 - basic plant protection, fences and guards from impact of animals
 - damaging effects on natural areas caused from pests
- purpose and processes for natural area restoration, including implementing biosecurity procedures to minimise the transfer of pests and diseases into natural areas, including weed seed, plants, animals and microbial organisms
- standards and procedures for planting nursery stock and transplants into natural areas, including:
 - basic soil or substrate identification
 - soil or substrate preparation and amelioration
 - soil or substrate and plant root contact
 - irrigation methods and procedures for watering in planted materials
- workplace health and safety procedures, including:
 - safety hazards and associated risks on restoration sites
 - personal protective equipment
 - mixing and using herbicides
 - sun protection

- requirements of traditional land owners, government and non-government agencies, special interest groups and other stakeholders about diversity of natural area usage, including:
 - natural areas on private land
 - natural areas on public land
 - commercial use
- applicable state or territory and commonwealth legislation covering parks, conservation, environmental protection and heritage.

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 a natural area as specified in the Performance Evidence
- resources, equipment and materials:
 - use of tools appropriate to the maintenance tasks identified in the maintenance plan
 - use of personal protective equipment
- specifications:
 - workplace policies and procedures for safety, biosecurity and maintenance tasks
 - workplace instructions, and natural area maintenance plan with specifications specific to the site
 - legislative requirements for records
- relationships:
 - supervisor.

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>