



**Australian Government**

# **AHCECR402 Plan the implementation of revegetation works**

**Release: 1**

# AHCECR402 Plan the implementation of revegetation works

## Modification History

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

## Application

This unit of competency describes the skills and knowledge required to confirm and assess resources, program works and schedules and prepare a plan for the implementation of revegetation works.

The unit applies to individuals who work in a supervisory role in revegetation works and provide and communicate solutions to a range of predictable and sometimes unpredictable problems. They work autonomously, instruct, and monitor the work of others within a team. They use discretion and judgment in the selection, allocation and use of available resources.

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

## Pre-requisite Unit

Nil

## Unit Sector

Ecological Restoration (ECR)

## Elements and Performance Criteria

| Elements                                                                              | Performance Criteria                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>                                      | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                           |
| 1. Carry out preliminary planning activities for implementation of revegetation works | 1.1 Confirm scope, preferences, contract requirements and goals for revegetation works<br>1.2 Identify statutory obligations and site responsibilities affecting revegetation works<br>1.3 Conduct site visit to verify the biophysical, environmental and historical conditions |

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                  | 1.4 Identify site health and safety hazards, assess risk and develop controls<br>1.5 Verify availability, quantity and costs of resources specified in project plan                                                                                                                                                                                                                                                                                                                                                                                   |
| 2. Prepare a staged plan for revegetation works  | 2.1 Identify, cost and confirm availability of materials, tools and equipment required for revegetation work<br>2.2 Assess and resolve site access and establishment difficulties<br>2.3 Assess sequence of works for site establishment and maintenance<br>2.4 Consider seasonal factors and impact on sequencing strategy<br>2.5 Identify habitat development and enhancement requirements for site<br>2.6 Prepare a program plan and schedule of revegetation works<br>2.7 Document a staged implementation plan according to workplace procedures |

## Foundation Skills

*This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.*

| Skill    | Description                                                                                                                                                                                                                                           |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reading  | <ul style="list-style-type: none"> <li>Critically analyse scoping documentation, legislation and regulations to identify objectives, resources and compliance requirements and consolidate into programs, schedules and revegetation plans</li> </ul> |
| Writing  | <ul style="list-style-type: none"> <li>Prepare, proofread and edit programs, schedules and plans for revegetation works, ensuring clarity of meaning, accuracy and consistency of information</li> </ul>                                              |
| Numeracy | <ul style="list-style-type: none"> <li>Calculate quantities of materials and the respective costs</li> <li>Estimate the time required for equipment, materials and labour, and cost of securing these resources</li> </ul>                            |

## Unit Mapping Information

| Code and title<br>current version                       | Code and title<br>previous version                      | Comments                                                                                                                                                                                                      | Equivalence status |
|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| AHCECR402 Plan the implementation of revegetation works | AHCNAR402 Plan the implementation of revegetation works | Changed unit code to reflect new unit sector<br><br>Changes to Application and Performance Criteria for clarity and brevity<br><br>Updated Performance Evidence, Knowledge Evidence and Assessment Conditions | Equivalent         |

## Links

Companion Volumes, including Implementation Guides, are available at VETNet: -  
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

# Assessment Requirements for AHCECR402 Plan the implementation of revegetation works

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## 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 prepared a plan for implementing revegetation works for at least one natural area site, and has:

- confirmed the scope of the project, including preferences and contract requirements
- assessed site for opportunities and constraints associated with implementation of revegetation works
- established the purpose and client preferences for the site to be revegetated
- carried out a site visit and confirmed any planning requirements
- developed a plan for the site, detailing the resources required and the program of works, which must include:
  - environmental impact and mitigation
  - health and safety risks and mitigation
- developed schedules for the establishment and maintenance phases of the project, which must include:
  - site setup and development
  - revegetation works establishment period
  - maintenance
  - impact of seasons and climate on staging strategy
  - impacts in the staging strategy
- documented the staged implementation 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:

- role of revegetation works in the restoration of the natural environment
- environmental and biosecurity issues associated with revegetation works, including:

- legislative frameworks that govern revegetation activities
- compliance with legislation
- minimising impact on the natural environment
- preventing pest and disease incursion into revegetation sites
- biophysical environmental and historical aspects of natural areas, including:
  - biotic factors affecting the site
  - abiotic factors and their influence on revegetation and accessing natural areas
  - changes to the physical and biological conditions and impact on revegetation activities
- impact of seasonal effects of weather and climatic conditions on revegetation works planning and scheduling, including:
  - plant species, supply and care
  - site access during inclement weather
  - machinery use
  - fire hazards
  - plant establishment phase
  - site-specific health and safety
- ecological principles related to revegetation of natural areas, including:
  - ecosystem structures and habitat
  - interactions between flora and fauna and impact on ecological stability
  - vegetation types and their general characteristics
- importance of biodiversity when revegetating for an ecologically stable community, including:
  - terrestrial plants and basic plant community structures
  - marine and water plants and interaction with marine fauna
  - contribution of revegetation works on preserving biodiversity
- intricate relationships between microbiota, including insects, molluscs, worms and microbes, and impact on revegetation practices
- environmental factors to be considered in revegetation works, including:
  - revegetation 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 accessing sites and conducting revegetation work
- identification, propagation and establishment techniques of specific native plant species, including:
  - maintenance requirements and practices for native plants prior to and after initial establishment
  - growth habits and cultural requirements of specific native plants under a range of soil and environmental conditions
- site evaluation techniques including methods of analysing soils, waterways and their condition

- practical understanding of the advantages and disadvantages of options for revegetation works procedures
- workplace health and safety hazards associated with undertaking revegetation works, and the controls necessary to remove or minimise associated risks
- contract documents including specifications, plans of landscape works, services, supplies and surveyors documents.

## 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 active natural area restoration worksite or in an environment that accurately represents workplace conditions
- specifications:
  - workplace policies and procedures for preparing plans
  - scope of works, specifications and contract requirements
  - legislation and regulations relevant to revegetation works and biosecurity.

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

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