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. |

| AHCECR402 | Plan the implementation of revegetation works |
| --- | --- |
| 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 occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Ecological Restoration (ECR) |

| Elements | Performance Criteria |
| --- | --- |
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Carry out preliminary planning activities for revegetation works | 1.1 Confirm scope, preferences and contract requirements for revegetation works  1.2 Identify statutory obligations and site responsibilities affecting revegetation works  1.3 Conduct site visit to verify the biophysical, environmental and historical conditions  1.4 Identify site health and safety hazards, assess risk and develop controls  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  2.2 Assess and resolve site access and establishment difficulties  2.3 Assess sequence of works for site establishment and maintenance  2.4 Consider seasonal factors and impact on sequencing strategy  2.5 Identify habitat development and enhancement requirements for site  2.6 Prepare a program plan and schedule of revegetation works  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 | * Critically analyse scoping documentation, legislation and regulations to identify objectives, resources and compliance requirements and consolidate into programs, schedules and revegetation plans |
| Writing | * Prepare, proofread and edit programs, schedules and plans for revegetation works ensuring clarity of meaning, accuracy and consistency of information |
| Numeracy | * Calculate quantities of materials and the respective costs. Estimate the time required for equipment, materials and labour and cost of securing these resources |

|  |  |  |  |
| --- | --- | --- | --- |
| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCECR402 Plan the implementation of revegetation works  Release 2 | AHCNAR402 Plan the implementation of revegetation works  Release 1 | Changed Code and Unit Sector  Changes to Application and Performance Criteria for clarity and brevity.  Updated Performance Evidence, Knowledge Evidence and Assessment Conditions | Equivalent unit |

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

| TITLE | Assessment requirements for AHCECR402 Plan the implementation of revegetation works |
| --- | --- |
| 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 * assess site for opportunities and constraints associated with implementation of revegetation works * establish the purpose and client preferences for the site to be revegetated * carry out a site visit and confirm any planning requirements * develop 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 * develop 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 * document 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 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 * work 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 skills must take place under the following conditions:   * physical conditions: * skills must be demonstrated on an active natural area restoration worksite or an environment that accurately represents workplace conditions * specifications: * use of workplace policies and procedures for preparing plans * use of scope of works, specifications and contract requirements * access to 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. |

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