Modification history

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| Release | Comments |
| Release 2 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 5.0. |
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0. |

| AHCNAR303 | Implement revegetation works |
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| Application | This unit of competency describes the skills and knowledge required to implement revegetation works in natural restoration areas.  The unit applies to individuals who work under broad direction and use discretion and judgement in the selection 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 | Natural Area Restoration (NAR) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Prepare for revegetation works | 1.1 Identify method and timing of revegetation work  1.2 Select tools and materials required and check functionality and cleanliness  1.3 Identify, obtain and store plant materials  1.4 Determine and organise labour and machinery requirements  1.5 Prepare a works schedule and provide to management or client  1.6 Conduct a safety risk assessment and apply work health and safety procedures |
| 2. Prepare the revegetation site | 2.1 Identify site health and safety hazards, assess risks and implement controls according to workplace procedures  2.2 Define boundaries of revegetation site according to site plan  2.3 Undertake site preparation according to revegetation plan  2.4 Assess site for conditions that will inhibit revegetation performance outcomes  2.5 Select and apply treatments to rectify inhibiting conditions  2.6 Use soil/substrate nutrients and amelioration according to revegetation plan specifications  2.7 Install protective structures according to site safety controls |
| 3. Undertake revegetation works | 3.1 Select, check and use personal protective equipment  3.2 Carry out revegetation works according to revegetation plan using sustainable practices  3.3 Inspect plant materials before revegetation works and discard defective materials according to revegetation plan and biosecurity procedures  3.4 Plant revegetation stock and treat with required nutrients/ameliorants according to revegetation plan  3.5 Install plant protection systems for protecting, securing or anchoring new plants  3.6 Ensure the revegetation program outcomes have been achieved  3.7 Identify and report potential threats to revegetation works |
| 4. Maintain revegetated site | 4.1 Monitor revegetation site and identify factors detrimental to plant growth  4.2 Undertake remedial action and plant protection to rectify identified detrimental factors  4.3 Apply site maintenance procedures according to revegetation plan  4.4 Clean, maintain and store tools and equipment according to workplace and biosecurity 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. | |
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| Skill | Description |
| Reading | * Use a range of reading strategies to identify and interpret revegetation plans and use the information to comply with the standards and requirements of revegetation works |
| Numeracy | * Use plans to identify and transpose dimensions from scale drawings to define the site boundaries using basic survey techniques |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCNAR303 Implement revegetation works  Release 2 | AHCNAR303 Implement revegetation works  Release 1 | Changes made to Application and Performance criteria for sequencing and clarity  Updated Performance Evidence, Knowledge evidence and Assessment Conditions | Equivalent unit |

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| 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 AHCNAR303 Implement 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 and implemented revegetation works on any two (2) different ecological environments:  There must also be evidence that the individual has:   * conducted revegetation works according to revegetation planting plan, sustainable practices and biosecurity procedures * prepared the site for revegetation works * conducted a site hazard assessment and implemented controls * assessed the site for inhibitors to revegetation works and implemented treatments * treated weeds and competing plants * cleaned and maintained the revegetated site * used, cleaned, maintained and stored machinery and equipment according to manufacturer instructions. | |

| Knowledge Evidence |
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| 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:   * revegetation techniques * ecological principles related to revegetation of natural areas, including: * recognition of fundamental ecosystem structures * interactions between flora and fauna and impact on ecological stability * vegetation types and their general characteristics relevant to revegetation activities * ecological environments and their fundamental differences * 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 creatures * 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: * 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 accessing sites and conducting revegetation work * defining the revegetation site boundaries, including: * ecosystem and habitat boundaries * basic surveying techniques * tools and equipment for marking out site boundaries * factors affecting the timing and method of planting, including: * weather * climate * tidal influences * soil/substrate type and condition * access to site * impact on fauna natural cycles * impact of plant growth cycles * assessing site condition requiring rectification/treatment prior to revegetation, including: * accumulated waste * polluting materials * weeds * pests and diseases affecting vegetation * maintenance activities and practices to support revegetated plant growth, including: * controlling plant competition from weeds and vigorous regrowth * erosion control strategies * animal grazing and damage * workplace health and safety procedures, including: * safety hazards and associated risks on revegetation sites * personal protective equipment * handling, mixing and using hazardous treatments * sun protection * materials handling safety * exclusion fencing * identification and control of weeds, and pests and diseases * basic plant physiology of plant growth, including: * detrimental effects from pollution * competition from weeds * nutrients and ameliorants used for planting and their impact on plant health * techniques for protecting, securing or anchoring plantings. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * skills must be demonstrated on a natural area requiring revegetation as specified in the Performance Evidence * resources, equipment and materials: * use of tools appropriate to the tasks identified in the revegetation plan * use of personal protective equipment * specifications: * use of workplace policies and procedures for safety, biosecurity and revegetation activities * use of natural area revegetation plan with specifications specific to a site   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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