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. |

| AHCNAR201 | Carry out natural area restoration works |
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| Application | This unit of competency describes the skills and knowledge required to follow a restoration or revegetation plan for natural area restoration work.  The unit applies to individuals engaged in conservation and land management programs and who work under general supervision, exercising limited autonomy with some accountability for own work. They undertake defined activities and work in a structured context.  No 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 natural area restoration works | 1.1 Locate task site using natural area restoration or revegetation plan  1.2 Identify environmental implications of works and assess and report the likely outcomes  1.3 Select, prepare and transport tools, equipment and machinery for use  1.4 Carry out pre-operational and safety checks on tools, equipment and machinery  1.5 Confirm native plant species to be re-established from plans  1.6 Select, check and use personal protective equipment |
| 2. Apply weed control measures | 2.1 Identify weeds requiring control  2.2 Prepare herbicides  2.3 Undertake weed control measures according to restoration and revegetation plan  2.4 Ensure control measures damage only the target weed species |
| 3. Prepare the soil for natural area restoration | 3.1 Select soil treatments according to the soil condition and species requirements  3.2 Protect intact natural soil profiles from damage  3.3 Apply soil treatments according to plans and work health and safety procedures |
| 4. Replace native vegetation on the site | 4.1 Determine vegetation replacement methods from planning documents and prepare for treatment  4.2 Apply assisted regeneration treatments to remnant vegetation and intact soil profiles according to planned replacement method  4.3 Sow seed according to planned replacement method  4.4 Position nursery stock or transplants according to planting procedures and replacement method  4.5 Undertake irrigation practices according to vegetation replacement method and available resources  4.6 Use plant guards and fencing to protect plants according to restoration or revegetation plan  4.7 Carry out restoration tasks according to work health and safety procedures |
| 5. Complete natural area restoration work | 5.1 Maintain plant guards or fencing during restoration period  5.2 Undertake weed control treatments according to restoration plan  5.3 Remove and dispose of waste material  5.4 Clean, maintain and store tools, equipment and machinery  5.5 Maintain a clean and safe work area  5.7 Report work outcomes to supervisor |

| 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 basic reading strategies to identify and interpret restoration or revegetation plans and use the information to comply with the standards and requirements of revegetation works |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCNAR201 Carry out natural area restoration works  Release 2 | AHCNAR201 Carry out natural area restoration works  Release 1 | Minor changes to Application  Changes to Performance Criteria for clarity and brevity.  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 AHCNAR201 Carry out natural area restoration 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 performed natural area restoration works for at least two different ecological environments.  There must also be evidence that the individual has:   * established the task and site for works from restoration plan and confirmed with supervisor * conducted weed control and ground preparation activities * transported tools, plants and planting materials to the site * planted vegetation according to restoration plan using two (2) of the following vegetation replacement methods: * planted nursery stock * sown seed * transplanted stock from natural area * protected the restored area with plant guards or fencing * removed and disposed of waste, and clean site to pre-work condition. | |

| 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:   * recognition and common names of native flora and fauna for specified restoration areas including the importance and value of the local provenance * ecological principles for conservation work related to restoration work, including: * recognition of basic ecosystems * recognition of plant communities * interactions between flora and fauna and impact on restoration objectives and outcomes * types and positioning in the ecosystem of plant species when planting or seeding * importance of biodiversity in an ecological community * terrestrial plants and basic plant community structures * marine and water plants and interaction with marine creatures * contribution of revegetation works on higher animals * intricate relations of insects, molluscs, worms and microbes on restoration practices and success * recognition of common weeds and pest animals by their common names, and their impact on restoration work , including: * basic weed control methods and application including use of herbicides * basic plant protection, fences and guards from impact of animals * purpose and processes for natural area restoration, including the basics of biosecurity to minimise the transfer of pests and diseases into restoration sites in seed, plants and other materials * seeding techniques, including: * hand seeding * broad cast sowing * ripping trailed machinery * vegetation replacement methods and their application in restoration programs, including: * assisted natural regeneration * planting * seeding * transplanting * standards and procedures for planting nursery stock and transplants into revegetation sites, including: * 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. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * skills must be demonstrated in the field on a restoration or revegetation site as specified in the Performance Criteria * resources, equipment and materials: * use of tools and equipment for digging, herbicide application and planting operations * use of items of personal protective equipment * seeds, plants and transplants as specified in restoration or revegetation plan * basic irrigation equipment for watering in planted vegetation * specifications: * use of workplace procedures and processes for safety, planting operations and weed control * access to herbicide safety data sheets * use of workplace plans, instructions and specifications for restoration works * relationships: * supervisor   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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