



Australian Government

Department of Education, Employment and Workplace Relations

AHCNAR504A Manage natural area restoration programs

Release: 1

AHCNAR504A Manage natural area restoration programs

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers management of natural area restoration programs and defines the standard required to carry out a site assessment for restoration; select vegetation restoration techniques; plan a natural area restoration program; calculate staff and resources required; supervise natural area restoration works; and review natural area restoration program against issues identified in the management plan for the area.
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Application of the Unit

Application of the unit	This unit applies to land restoration managers.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
1. Inspect and assess site for replacement of vegetation	1.1. A vegetation assessment report is prepared. 1.2. Site conditions, level of degradation and potential for natural area restoration are determined. 1.3. Threats to existing ecosystem, flora, fauna and property from natural area restoration works are assessed. 1.4. Range of likely operating conditions, hazards and difficult/sensitive environments are assessed for impact on natural area restoration works.
2. Plan natural area restoration program	2.1. Plans and specifications for natural area restoration works are prepared according to program/management aims and objectives. 2.2. Natural area restoration techniques are selected to meet management plans and enterprise requirements. 2.3. Staging strategy for works is outlined. 2.4. Protective structures are planned to ensure compliance with Occupational Health and Safety (OHS) and relevant legislation. 2.5. Appropriately skilled personnel are selected. 2.6. Equipment and personnel are transported to natural area restoration sites without injury or damage according to enterprise procedures. 2.7. Appropriate permits/licenses and authorisations are obtained according to legislative and enterprise requirements. 2.8. Equipment and materials required for natural area restoration work is sourced according to enterprise procedures.
3. Monitor natural area restoration works	3.1. Observations are made according to natural area restoration plans and to enterprise procedures. 3.2. Checks are made that the site is prepared according to specifications. 3.3. Plant materials, machinery and equipment are checked to ensure compliance with enterprise guidelines and natural area restoration plan. 3.4. Natural area restoration works are effected according to enterprise guidelines. 3.5. Work is monitored to ensure remedial action is undertaken as required. 3.6. Occupational health and safety management conforms to legislative requirements and enterprise

ELEMENT	PERFORMANCE CRITERIA
	policies and procedures.
4. Review natural area restoration programs	4.1. Site is monitored to ensure compliance with maintenance program plans and specifications or enterprise guidelines. 4.2. Site is assessed to determine whether natural area restoration works are addressing factors and issues consistent with management plans. 4.3. Changes to natural area restoration techniques are reported to enterprise procedures for adoption in future works.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- inspect and assess site for restoration
- plan natural area restoration program
- monitor natural area restoration works
- review natural area restoration program
- use literacy skills to fulfil job roles as required by the organisation. The level of skill may range from reading and understanding documentation to completion of written reports
- use oral communication skills/language competence to fulfil the job role as specified by the organisation including questioning, active listening, asking for clarification, negotiating solutions and responding to a range of views
- use numeracy skills to estimate, calculate and record complex workplace measures
- use interpersonal skills to work with others and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- plant species and community recognition
- natural regeneration potential and limits
- ecological restoration theory and techniques
- factors affecting the timing and method of plant establishment
- identification of plant and animal threats to treated areas
- principles and methods relating to the prevention and control of pests and diseases

REQUIRED SKILLS AND KNOWLEDGE

- safety requirements when handling and using hazardous goods
- soils and nutrients, plant selection and culture
- calculations for materials
- legislative requirements
- preparation of plans and specifications
- OHS.

Evidence Guide

EVIDENCE GUIDE	
The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following: • carry out a site assessment for restoration • select vegetation restoration techniques • plan a natural area restoration program • calculate staff and resources required • supervise natural area restoration works • review natural area restoration program against issues identified in the management plan for the area.
Context of and specific resources for assessment	Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT	
The range statement relates to the unit of competency as a whole.	
Restoration techniques may include:	• assisted natural regeneration • hand planting • mechanical planting • direct seeding • mechanical sowing.

Unit Sector(s)

Unit sector	Natural area restoration
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Co-requisite units

Co-requisite units		

Competency field

Competency field	
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