Australian Government

AHCECR504 Manage implementation of ecological restoration programs

Release: 1

AHCECR504 Manage implementation of ecological restoration programs

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 inspect and assess degraded sites for ecological restoration works, assess an existing design or plan for ecological restoration activities, and manage and monitor implementation.

The unit applies to individuals who are ecological restoration managers who analyse information and exercise judgement to complete a range of advanced skilled activities demonstrating a deep knowledge in specific technical areas within ecosystem management. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems.

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
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Inspect and assess site subject to an ecological restoration program	1.1 Interpret ecological restoration project design or plan for purpose of implementation 1.2 Confirm site conditions, level of degradation and restoration potential for site outlined in ecological restoration design or plan

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
	1.3 Assess threats to biotic and abiotic factors of area from ecological restoration works proposed in design or plan 1.4 Assess range of operating conditions, hazards and environmental conditions that will impact on the implementation of restoration works outlined in design or plan
2. Plan implementation of ecological restoration from project plan or design	2.1 Confirm ecological restoration approaches and techniques to achieve project design objectives 2.2 Develop a proposed program budget in accordance with client expectations and resources 2.3 Prepare an implementation program and schedule according to the ecological restoration design or plan aims and objectives 2.4 Confirm program monitoring strategy and measurable key performance indicators for program outputs 2.5 Conduct a site-specific risk analysis and develop controls and procedures 2.6 Determine personnel and skill requirements for implementing program 2.7 Identify permits, licenses and authorisations required to complete work 2.8 Identify equipment and materials for restoration work 2.9 Identify transport requirements for equipment and personnel for ecological restoration work
3. Manage implementation of ecological restoration program plan	3.1 Liaise with program stakeholders, client and implementation team 3.2 Oversee implementation of restoration works according to program 3.3 Record works according to the design and program 3.4 Manage workers to ensure program is carried out in accordance with workplace health and safety procedures
4. Monitor implementation of ecological restoration program	4.1 Check site preparation activities have been completed according to specifications 4.2 Check materials, machinery and equipment comply with ecological restoration design or plan and implementation program 4.3 Monitor implementation of ecological restoration program for quality and progression against outputs of ecological restoration

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
	design or plan
	4.4 Monitor budget expenditure against the program budget
	4.5 Carry out adaptive management according to ecological monitoring
	4.6 Manage workers to ensure work is carried out in accordance with workplace health and safety procedures
5. Review and report on implementation of ecological restoration program	5.1 Review outputs to determine program implementation is consistent with ecological restoration design or plan
	5.2 Report outputs and key performance indicators achieved during program implementation according to workplace procedures
	5.3 Report changes to restoration techniques for adoption in future works
	5.4 Monitor site to identify recommendations and specifications for ongoing maintenance program

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	• Interpret and extract relevant information from ecological restoration designs and plans to formulate programs and monitor their implementation
Writing	• Demonstrate advanced writing skills by selecting appropriate conventions and stylistic devices to express precise requirements, processes and procedures in management programs
Oral communication	• Establish and maintain complex and effective communication for a broad range of stakeholders using appropriate strategies for different contexts
Numeracy	• Interpret financial and operational information from designs and plans to perform calculations of costing and scheduling for inclusion in budget and implementation program

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCECR504 Manage implementation of ecological restoration programs	AHCNAR504 Manage natural area restoration programs	Redesigned unit to focus on implementation of designs or plans Changed unit code to reflect new unit sector Changed title Change to Application Changed Performance Criteria Changed Performance Evidence, Knowledge Evidence and Assessment Conditions to reflect implementation focus	Not equivalent

Links

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