



**Australian Government**

# **SISXRES505A Achieve sustainable land management**

**Release: 3**

## SISXRES505A Achieve sustainable land management

### Modification History

The release details of this endorsed unit of competency set are in the table below. The latest information is at the top.

Release	Comments
3	Reduction of repetition. No changes to competency outcome.

### Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to undertake research of current land condition, capability, uses and practices in order to develop and implement strategies to achieve sustainable land management in relation to relevant outdoor programs and activities.

### Application of the Unit

This unit applies to those who work as operations or program managers with responsibility for planning, implementing and evaluating outdoor recreation programs and activities across a range of activity areas. Work would be undertaken autonomously with responsibility for management of resources.

### Licensing/Regulatory Information

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of endorsement.

### Pre-Requisites

Not applicable.

### Employability Skills Information

This unit contains employability skills.

## Elements and Performance Criteria Pre-Content

### Elements and Performance Criteria

#### ELEMENT

#### PERFORMANCE CRITERIA

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

- |  |   |
|--|---|
| <p>1. Undertake a land capability study.</p>                           | <p>1.1. Collate and review existing data to identify <b><i>major characteristics of land capability</i></b> for locations relevant to outdoor programs and activities according to <b><i>organisational policies and procedures</i></b>.</p> <p>1.2. Determine and access additional <b><i>information sources</i></b> required to assess land capability.</p> <p>1.3. Identify threats and opportunities affecting land capability and sustainability according to <b><i>relevant legislation</i></b>.</p> <p>1.4. Prioritise <b><i>threats and opportunities</i></b> according to relevant <b><i>classification system</i></b>.</p> <p>1.5. Prepare and document a report on land capability.</p> |
| <p>2. Develop optional land-management strategies.</p>                 | <p>2.1. Assess information on land capability and identify evidence of inappropriate practices.</p> <p>2.2. Establish preferred land-use options in consultation with relevant <b><i>stakeholders</i></b> according to assessment of land capability.</p> <p>2.3. Identify and classify areas of degradation requiring urgent attention.</p> <p>2.4. Prepare <b><i>action plans</i></b> to implement land-management strategies.</p> <p>2.5. Prepare draft strategy documentation and recommendations.</p> <p>2.6. Release draft strategy for public comment.</p> <p>2.7. Prepare final land-management strategies, according to feedback received.</p>   |
| <p>3. Implement strategies to achieve sustainable land management.</p> | <p>3.1. Develop educational packages to inform landowners of preferred strategies for land use.</p> <p>3.2. Establish and implement formalised land-use incentive programs.</p> <p>3.3. Establish cooperative and consultative arrangements</p>   |

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
4. Monitor and review land-management strategies.	<p>with relevant stakeholders.</p> <p>3.4. Implement and monitor endorsed strategies within agreed timelines and budget.</p> <p>4.1. Collect and analyse data to evaluate performance.</p> <p>4.2. Compare performance with strategy objectives to assess effectiveness.</p> <p>4.3. Make recommendations to appropriate personnel to improve the effectiveness of the strategies.</p> <p>4.4. Use information obtained during monitoring and review to develop new strategies where required.</p>

## Required Skills and Knowledge

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

### Required skills

- communication skills to:
  - consult and liaise with stakeholders and staff on the implementation of land-management strategies
  - seek feedback on strategy effectiveness and make recommendations for improvement
- language and literacy skills to:
  - analyse data about land capability
  - prepare reports
  - document action plans
  - prepare educational material
  - collect and analyse data to evaluate land-management strategy performance
- numeracy skills to develop strategies within organisational budgets
- problem-solving skills to:
  - assess and prioritise threats and opportunities
  - select appropriate land-use options
  - monitor and evaluate the effectiveness of land-management strategies
  - develop alternative strategies where required
- planning and organising skills to develop, implement and evaluate land-management strategies within organisational timeframes and budgets.

### Required knowledge

- legislation to enable responsible and sustainable land management and planning
- organisation policies and procedures to:
  - collect and use information responsibly
  - evaluate, select and implement land-management strategies according to organisational objectives
- elements of sustainable natural resource management and planning, including waste minimisation
- land capabilities and uses to enable the development of appropriate land-management strategies
- land-management practices and systems to enable the responsible management of resources
- research and analysis techniques to enable the collection and analysis of data for the development of appropriate land-management strategies
- project-management techniques to monitor and evaluate land-management strategies to enable sustainable use
- political and economic trends in relation to land-management issues to enable an accurate analysis of threats and opportunities

- agriculture and forestry practices that may impact on selection of land-management strategies
- ecological principles and systems and their relationship to sustainable land management.

## 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

Evidence of the ability to:

- undertake research, planning and consultation to develop, implement and evaluate land-management strategies for a specific location or area consistent with community expectations and organisation and legislative requirements
- develop community education packages and formal land-use incentive programs to support implementation of land-management strategies.

#### Context of and specific resources for assessment

Assessment must ensure:

- development and implementation of strategies to achieve sustainable land management that reflect local requirements and are of sufficient breadth to demonstrate competency and consistency of performance.

Assessment must also ensure access to:

- an area or location to assess its capability and develop land-management strategies
- associated resources and information relevant to sustainable land management
- relevant stakeholders.

#### Method of assessment

A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit:

- review of authentic land-management strategy incorporating action plans, community education package and formal land-use incentive program
- oral and or written questioning to assess knowledge of natural systems and interrelationships between the components
- third-party reports from a supervisor detailing appropriate work performed by the individual.

#### Guidance information for assessment

Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended, for example:

- SISXRES403A Use resources efficiently.



## Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

***Major characteristics of land capability*** may include:

- land conditions
- land-use practices
- impacts of activities on the environment
- waste minimisation
- controlling body viability
- planning zone modifications.

***Organisational policies and procedures*** may include:

- collection and storage of information
- information dissemination
- monitoring of land capability and natural environment.

***Information sources*** may include:

- consultants' reports
- state and federal bodies
- state Environmental Protection Authorities
- interest groups
- referral bodies
- Municipal Planning Scheme.

***Threats and opportunities*** may include:

- political forces
- economic forces
- community attitudes
- interest groups.

***Relevant legislation*** may include:

- environmental protection
- local laws and by-laws
- ordinances and policy
- privacy.

***Classification system*** may include:

- type
- level
- land tenure.

***Stakeholders*** may include:

- land-management authorities
- landowners
- custodians
- community members.

***Action plans*** may include:

- priorities
- responsibilities
- resources

- timeframe
- community contribution and return.

## **Unit Sector(s)**

Cross-Sector.

## **Competency Field**

Resource Management.