



Australian Government

SISOCYT001 Set up, maintain and repair bicycles

Release: 1

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Modification History

Not applicable.

Application

This unit describes the performance outcomes, skills and knowledge required to select, set up and maintain bikes used for recreational cycling activities. It requires the ability to set up bikes to meet the requirements of pre-planned cycling activities and terrain, as well as for participant characteristics. It covers the ability to maintain and repair bike system components. Repairs can be completed both at base and in the field during activities.

This unit applies to any type of organisation that delivers outdoor recreation activities including commercial, not-for-profit and government organisations.

It applies to personnel working at all levels including activity assistants, support staff and leaders.

No occupational licensing, certification or specific legislative requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Cycle Touring

Unit Sector

Outdoor Recreation

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes

1. Select and set up bikes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1. Identify, from activity plans, characteristics and abilities of participants, and activity terrain and route.
- 1.2. Select bikes to meet needs, size and proportions of riders and activity conditions.
- 1.3. Make required adjustments to ensure bikes are correct fit for riders and suitable for terrain requirements.

- 1.4. Complete pre-departure safety and serviceability checks and action faults according to organisational procedures.
2. Maintain and repair bicycles.
 - 2.1. Use personal protective equipment and safe manual handling techniques throughout all activities.
 - 2.2. Interpret and follow maintenance schedules and manufacturers' instructions.
 - 2.3. Inspect bikes periodically to identify additional repair and maintenance requirements.
 - 2.4. Clean bikes and parts using appropriate cleaning agents to prevent corrosion and deterioration.
 - 2.5. Complete periodical maintenance on bicycle system components to restore equipment to optimum working condition.
 - 2.6. Complete repairs according to reports or in response to incidents as they arise, at base or in the field.
 - 2.7. Refer complex repair and maintenance requirements to technical specialists.
 - 2.8. Complete maintenance records according to organisational procedures.
 - 2.9. Assemble an in-field repair kit for use during activities.

Foundation Skills

Foundation skills essential to performance in this unit, but not explicit in the performance criteria are listed here, along with a brief context statement.

SKILLS	DESCRIPTION
Reading skills to:	- interpret factual activity plan information and maintenance schedules in familiar formats - interpret potentially unfamiliar and complex manufacturer instructions and specifications.
Writing skills to:	complete basic documents requiring factual information including fault tags and maintenance records.
Numeracy skills to:	- complete bike measurements to approximate best fit for participants - complete basic calculations involving ratios to dilute cleaning products - identify and calculate accurate bicycle system settings and adjustments from specifications.
Planning and organising skills to:	manage own timing to complete bike preparations, repairs and maintenance within departure deadlines.

Technology skills to:

- use specialist bicycle tools and equipment.

Unit Mapping Information

No equivalent unit

Links

Companion Volume Implementation Guides -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1ca50016-24d2-4161-a044-d3faa200268b>