



Australian Government

Department of Education, Employment and Workplace Relations

SISOCAY407A Guide multi pitch canyoning trips

Release: 2

SISOCAY407A Guide multi pitch canyoning trips

Modification History

Not Applicable

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to guide participants on multi pitch canyoning trips. This unit focuses on the application of planning skills to make suitable arrangements to guide a group on a canyoning trip in a canyon with multi pitch vertical sections.

Application of the Unit

This unit applies to those working as canyoning guides who are responsible for planning, implementing and evaluating canyoning trips conducted in a range of uncontrolled environments and locations with a variety of terrain obstacles, hazards and multi pitch conditions.

This may apply to canyoning leaders working for outdoor education or adventure providers, volunteer organisations or government agencies.

Licensing/Regulatory Information

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

Pre-Requisites

Nil

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.

- | | |
|------------------------------------|---|
| 1. Plan a canyoning trip. | 1.1. Conduct relevant assessments to determine the <i>condition of participants</i> .
1.2. Develop a trip <i>plan</i> according to <i>relevant legislation, organisational policies and procedures</i> and participant's needs.
1.3. Select a <i>canyon</i> suitable to participants and <i>trip objectives</i> according to relevant legislation and organisational policies and procedures.
1.4. Identify <i>hazards</i> associated with canyoning and minimise <i>risks</i> to ensure safety of participants.
1.5. Access <i>relevant sources</i> to interpret detailed <i>weather and environmental information</i> to determine trip plan.
1.6. Determine <i>food and water requirements</i> according to <i>principles of nutrition</i> and <i>contextual issues</i> of the trip.
1.7. Identify most appropriate <i>belay system</i> according to participant's abilities and conditions at the site.
1.8. Inform <i>appropriate authorities</i> before commencing the canyoning trip. |
| 2. Select equipment for the group. | 2.1. Select <i>equipment</i> according to contextual issues and organisational policies and procedures.
2.2. Assess equipment for safety and suitability and adjust and fit to ensure personal comfort.
2.3. Establish anchors and ropes, ensuring they are in correct position for the activity.
2.4. Check safety and rescue equipment to ensure suitability to the group and the canyon. |
| 3. Brief participants. | 3.1. Communicate instructions and <i>relevant information</i> about the canyoning trip in a manner suitable to the participants.
3.2. Outline <i>safety procedures</i> and safe areas and or |

ELEMENT**PERFORMANCE CRITERIA**

- boundaries for the trip and activities.
- 3.3.Explain symptoms, treatment and prevention of hypothermia, hyperthermia and dehydration to group to assist in self-monitoring.
- 3.4.Establish a suitable communication system for participants to use while canyoning.
- 3.5.Check and confirm participants are properly equipped for canyoning activities.
4. Lead canyoning trip.
- 4.1.Demonstrate ***canyoning techniques*** to participants.
- 4.2.Monitor canyoning techniques to ensure safety of participants.
- 4.3.Identify potential hazards and decide how they can be overcome or avoided.
- 4.4.Monitor individual participant's performance and provide appropriate feedback.
- 4.5.Implement appropriate modifications to activities in regard to all ***variable factors*** that are monitored.
5. Complete post trip responsibilities.
- 5.1.Retrieve, inspect, repair and store equipment according to organisational policies and procedures.
- 5.2.Evaluate ***relevant aspects*** of canyoning trip.
- 5.3.Identify potential areas of improvement for future canyoning trips.
- 5.4.Review own performance and identify potential improvements.

Required Skills and Knowledge

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

Required skills

- communication skills to:
 - consult with participants to plan a canyoning trip that meets their needs
 - convey information about the safety aspects of the trip
 - interact with participants to create a safe and positive canyoning environment
- problem-solving skills to:
 - plan a suitable canyoning trip according to participant's needs and abilities
 - make decisions about potential hazards that may affect trip
 - modify aspects of trips according to all variable factors and non-routine situations
- planning and organising skills to:
 - source, allocate and coordinate equipment and suitable canyon location
 - organise participants into manageable groups for abseiling and belaying activities
- language and literacy skills to:
 - produce plans
 - complete post trip participant and self evaluations
- personal canyoning skills to a high level of technical correctness to demonstrate and explain multi pitch techniques to participants
- first aid and emergency response skills appropriate to the location to enable initial response to emergencies and personal health care.

Required knowledge

- legislation and organisational policies and procedures to enable safe conduct of all activities
- minimal impact canyoning codes to ensure protection of the environment
- site specific information to enable safe and effective planning and management of potential canyoning hazards and any special restrictions applying to the area
- equipment types, characteristics and technology used for multi pitch canyoning to enable its selection, use and maintenance appropriate to the activity and location
- clothing and footwear requirements for canyoning and factors affecting appropriate clothing selection, such as layering and protective clothing
- principles of nutrition to maintain health and energy during the trip
- canyoning techniques and common communication systems used between abseilers and belayers when canyoning to reduce risk
- belay systems, devices and anchors appropriate for multi pitch canyons
- technical abseiling knowledge, such as advantages and disadvantages of various knots in a variety of situations
- weather and environmental information to ascertain possible conditions and their affect on the trip
- emergency and rescue procedures, potential hazards and obstacles relevant to the location

to ensure safety of self and others.

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 following is essential:

- plans within activity constraints and guides and monitors group in a safe and professional manner
- applies effective contingency management techniques to deal with a range of problems or variable factors that may arise during canyoning trips
- encourages and responds to group feedback and evaluates and reflects on own guiding performance to identify strengths, weaknesses and areas that need improvement.

Context of and specific resources for assessment

Assessment must ensure the safe guiding of canyoning trips in locations that reflect local conditions and are of sufficient breadth and duration to demonstrate competency and consistency of performance.

Assessment must also ensure access to:

- a suitable canyon that enables the demonstration and practice of multi pitch canyoning activities
- participants to take part in the canyoning trip
- resources and information regarding participants and location to plan, guide and document canyoning activities for a variety of participants
- canyoning, abseiling, belaying, protection, navigation, communication, safety and first aid equipment.

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:

- observation of planning and guiding processes and interacting with participants, including conveying information for safe participation
- observation of dealing with contingencies such as changing weather conditions and equipment failure
- oral or written questioning to assess knowledge of relevant legislation and organisational policies and procedures to enable safe conduct of all canyoning activities during trip

- review of canyoning trip plans
- third-party reports from a supervisor detailing performance.

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

- SISOCAY406A Establish complex belays in canyons
- SISOOPS303A Interpret weather conditions in the field
- SISOVTR402A Perform complex vertical rescues.

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.

Condition of participants may include:

- previous experience
- physical capabilities
- age
- injuries and illnesses.

Plan may include:

- aims and objectives
- date, time and duration
- location, equipment and resources
- guide and participant ratios
- safety requirements
- risk and contingency management plan.

Relevant legislation may include:

- occupational health and safety
- permits or permission for access
- environmental regulations.

Organisational policies and procedures may include:

- occupational health and safety
- time and budget constraints
- use, maintenance and storage of equipment
- communication protocols
- confidentiality of participant information
- guide and participant ratios
- emergency and safety procedures
- code of ethics.

Canyon may include:

- intermittent vertical pitches of variable length
- multi-pitch abseils with belay stations mid-pitch
- terrain obstacles which obstruct regular route
- wet sections
- flowing water and resultant hydrological formations.

Trip objectives may include:

- self improvement
- meeting people
- fitness targets
- adventure and recreation.

Hazards may include:

- temperature extremes
- slippery or unstable terrain

- Risks** may include:
- dangerous animals and insects
 - stinging trees and nettles
 - dense vegetation
 - group management hazards.
 - hypothermia
 - heat exhaustion
 - injuries
 - lost party or party member
 - equipment failure.
- Relevant sources** may include:
- Bureau of Meteorology
 - media
 - land manager or agencies
 - local knowledge
 - police.
- Weather and environmental information** may include:
- satellite images
 - daily and weekly forecasts
 - maximum and minimum temperatures
 - weather warnings
 - event warnings
 - river levels
 - synoptic charts
 - high and low tide predictions.
- Food and water requirements** may include:
- menu planning and preparation
 - range of foods.
- Principles of nutrition** may include:
- food groups
 - dietary guidelines
 - individual food requirements and allergies.
- Contextual issues** may include:
- weather conditions, including times
 - season
 - transport
 - location
 - trip distance and duration
 - group objectives
 - group size.
- Belay system** may include:
- top belay
 - bottom brake.
- Appropriate authorities** may include:
- authorities
 - supervisors.
- Equipment** may include:
- canyoning equipment
 - abseiling and belaying equipment

Relevant information may include:

- safety, first aid and rescue equipment
- navigation equipment
- communication equipment
- repair equipment.
- safety procedures
- logistical details
- risk and hazard prevention and management
- canyoning, abseiling and belaying techniques
- responsible and safe behaviour.

Safety procedures may include:

- procedures for inversion and entrapment
- pre activity and safety checks
- safety procedures applied at top and bottom of descent
- wearing of helmets
- safety ropes
- positioned out of direct line of gear fall
- use of safety and rescue equipment.

Canyoning techniques may include:

- liloing
- white water swimming
- river running
- abseiling
- belaying.

Variable factors may include:

- change of weather and conditions
- equipment failure
- participant's needs.

Relevant aspects may include:

- objectives
- planning process
- activity site
- weather
- equipment selection
- clothing selection
- food selection
- instructional content
- instructional technique
- assessment technique
- group feedback
- directing techniques
- rescue techniques employed.

Unit Sector(s)

Outdoor Recreation

Competency Field

Canyoning