



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **SISOABN510A Instruct abseiling on multi pitch natural surfaces**

**Release: 2**

## **SISOABN510A Instruct abseiling on multi pitch natural surfaces**

### **Modification History**

Not Applicable

### **Unit Descriptor**

This unit describes the performance outcomes, skills and knowledge required to instruct abseiling on multi pitch natural surfaces. This unit focuses on planning, instructing and evaluating an instructional abseiling session to enable participants to achieve the skills and knowledge required to participate independently in multi pitch abseiling on natural surfaces.

### **Application of the Unit**

This unit applies to those working as abseiling instructors in a range of multi pitch natural conditions.

This unit may also apply to leaders working for outdoor education or adventure providers; volunteer groups; not-for-profit 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 an abseiling session.

- 1.1. Establish *participant's needs and characteristics*.
- 1.2. Determine participant's current abseiling knowledge in order to determine the *session's aims and objectives*.
- 1.3. Determine an appropriate *instructional plan* according to participant's needs and characteristics.
- 1.4. Develop an *abseiling plan* according to participant's needs and characteristics, *relevant legislation* and *organisational policies and procedures*.
- 1.5. Identify potential *hazards* associated with multi pitch abseiling on *natural surfaces* and minimise *risks*, according to organisational policies and procedures to ensure safety of participants.
- 1.6. Access *relevant sources* to interpret detailed *weather and environmental information* and determine *contingency plans*.

2. Select and organise equipment and resources.

- 2.1. Select and access *equipment* and *resources* according to *contextual issues* and organisational policies and procedures and check serviceability.
- 2.2. Check equipment for safety and suitability, according to relevant legislation and manufacturer's recommendations.
- 2.3. Check contents of first aid and repair kits to ensure suitability to the location and activity.

3. Brief participants.

- 3.1. Communicate instructions and *relevant information* about the abseiling session in a manner appropriate to the participants.
- 3.2. Encourage participants to seek clarification, information and feedback as required during the session.
- 3.3. Establish a suitable *communication system* for participants to use while abseiling and belaying.

ELEMENT	PERFORMANCE CRITERIA
	3.4. Inform participants of known and anticipated hazards, <i>safety checks</i> and appropriate behaviour.
4. Instruct an abseiling session.	<ul style="list-style-type: none"><li>4.1. Conduct introductory activities for participants, to reduce the risk of injury.</li><li>4.2. Monitor individual <i>participant's performance</i> during abseiling session.</li><li>4.3. Apply clear and accurate <i>instructional techniques</i> to impart <i>activity specific knowledge, abseiling skills</i> and <i>safety and rescue procedures</i>.</li><li>4.4. Observe participants during abseiling and belaying and adjust or refine individual and or group technique as required.</li><li>4.5. Inform participants of <i>opportunities</i> to further develop their abseiling skills and knowledge.</li></ul>
5. Complete post session responsibilities.	<ul style="list-style-type: none"><li>5.1. Retrieve, inspect, repair and store equipment according to organisational policies and procedures.</li><li>5.2. Provide opportunities for participants to identify their personal progress and satisfaction with the session, and give feedback as required.</li><li>5.3. Evaluate <i>relevant aspects</i> of abseiling session, and determine the level of learning achieved.</li><li>5.4. Identify potential areas of improvement for future abseiling instructional sessions.</li></ul>

## 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 an abseiling session that meets their needs
  - convey information about the safety aspects of the session
  - interact with participants to create a safe and positive abseiling environment
- problem-solving skills to:
  - plan a suitable abseiling session according to participant's needs and characteristics
  - address participant difficulties in developing abseiling techniques
  - anticipate and respond appropriately to non-routine situations
- planning and organising skills to:
  - source, allocate and coordinate resources, equipment and a natural pitch suitable for the participants
  - monitor and evaluate progress
  - organise participants into manageable groups for abseiling and belaying
- language and literacy skills to:
  - produce abseiling and instructional plans for the abseiling session,
  - complete post session participant and self evaluations
- instructional techniques to suit a range of participant's needs and characteristics
- rope handling, retrieval and knot tying skills to rig ropes and anchors adequately and safely
- efficient and effective personal abseiling skills to demonstrate and explain abseiling and belaying techniques to participants
- first aid and emergency response skills appropriate to the location to enable initial response and or rescue in emergencies whilst instructing abseiling on natural surfaces.

### Required knowledge

- relevant legislation and organisational policies and procedures to enable safe and non-discriminatory conduct of abseiling session
- minimal impact codes to ensure protection of the environment
- site specific information to assist in the planning process and enable management of potential abseiling hazards, and any special restrictions applying to the site
- equipment types, characteristics and technology used for abseiling on multi pitch natural surfaces, the advantages and disadvantages of the range of equipment, and factors affecting appropriate selection of equipment
- clothing and footwear requirements for abseiling activities to ensure comfort and safety
- care and maintenance of abseiling equipment to ensure prolonged life span and

safety requirements

- instruction techniques and theories applicable to a range of ages and learning abilities
- abseiling techniques and common communication methods and calls used between abseilers and belayers to reduce risk during multi pitch abseiling on natural surfaces
- belay systems, devices and anchors appropriate for multi pitch natural surfaces
- technical multi-pitch abseiling knowledge, such as techniques and procedures to suit the features of the surface
- weather and environmental information to ascertain possible conditions and their affect on the session
- hazards that may be experienced in a natural abseiling environment
- emergency 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 and delivers information, explanations and demonstrations for abseiling session to ensure activities are conducted safely according to participant's needs and characteristics
- observes and monitors the progress of participants, provides constructive feedback and intervention and modifies instructional techniques and activities to improve participants abseiling performance as required
- evaluates and reflects on own instruction performance to identify strengths, weaknesses and areas that need improvement.

#### Context of and specific resources for assessment

Assessment must ensure instruction of abseiling activities using a variety of instructional techniques that reflect the needs and characteristics of a range of participants to demonstrate competency and consistency of performance.

Assessment must also ensure access to:

- resources and information regarding participants and location to accurately plan, instruct and document abseiling sessions for a variety of participants
- a natural multi pitch abseiling site suitable for the conduct of instructional sessions
- a group of participants to take part in the abseiling session
- equipment such as harnesses, helmets, belay devices, descending devices, ropes, gloves, karabiners, food and water, and 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:

- oral and or written questioning to assess knowledge of relevant legislation and organisational policies and procedures to enable safe conduct of all abseiling activities during the session
- observation of safe abseiling instruction, monitoring

and adjustment according to participant's needs and characteristics

- review of abseiling session 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:

- SISOABN409A guide abseiling on multi pitch natural surfaces



## 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.

***Participant's needs and characteristics*** may include:

- age
- cultural factors
- fitness level and physical capabilities
- abseiling skills and knowledge
- injuries and illnesses.

***Session's aims and objectives*** may include:

- developing abseiling on a multi pitch natural surface skills
- education
- development
- therapy
- fitness targets
- recreation.

***Instructional plan*** may include:

- abseiling activities and drills
- duration of activities and drills.

***Abseiling plan*** may include:

- session's aims and objectives
- date, time and duration
- location
- instructor and participant ratios
- resources
- equipment
- food and water
- weather details
- participant information
- safety requirements
- risk management plan.

***Relevant legislation*** may include:

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

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

- occupational health and safety
- time and budget constraints
- use and maintenance of equipment
- communication protocols
- confidentiality of participant information

- Hazards*** may include:
- instructor and participant ratios
  - emergency and safety procedures
  - code of ethics.
  - temperature extremes
  - slippery or unstable terrain
  - dangerous animals and insects
  - stinging trees and nettles
  - dense vegetation
  - group management hazards.
- Natural surfaces*** may include:
- cliffs
  - boulders
- Risks*** may include:
- hypothermia
  - heat exhaustion
  - injuries
  - exhaustion
  - lost party or party member
  - equipment failure.
- Relevant sources*** may include:
- Bureau of Meteorology
  - media
  - land managers or agencies
  - coastal patrol or coastguard
  - volunteer marine rescue
  - local knowledge.
- Weather and environmental information*** may include:
- satellite images
  - daily and weekly forecasts
  - maximum and minimum temperatures
  - weather warnings
  - event warnings
  - river levels
  - synoptic charts
- Contingency plans*** may include:
- change location
  - reduce duration
  - cancel
  - postpone
- Equipment*** may include:
- abseiling equipment
  - safety equipment
  - rescue equipment
- Resources*** may include:
- food and water
  - teaching aids
  - suitable natural multi pitch surface for instructing abseiling.

***Contextual issues*** may include:

- weather conditions, including times
- season
- transport
- location
- trip distance and duration
- group objectives
- group size.

***Relevant information*** may include:

- equipment requirements, selection and use
- safety procedures
- possible hazards
- abseiling and belaying techniques
- communication
- objectives
- rules and codes
- responsible and safe behaviour.

***Communication system*** may include:

- calls
- radio
- hand signals
- whistles.

***Safety checks*** may include:

- A - anchors - secure and suitable to application
- B - buckles - locked as per manufacturers recommendations
- C - connectors - locked, secured and orientated
- D - devices - threaded correctly and secured
- E - everything else including end of rope knots, friction hitches, belayer ready, helmet chin strap, clothing, jewellery and hair secured
- F - friend - cross check.

***Participant's performance*** may include:

- use of appropriate communication system
- abseiling technique
- belaying technique
- attitude and behaviour
- negotiation of hazards
- use of equipment.

***Instructional techniques*** may include:

- simple to complex
- part to whole
- chronological
- known to unknown
- D.E.D.I.C.T:
  - demonstrate
  - explain

- demonstrate
- instruct
- critique
- test
- E.D.I.C.T:
  - explain
  - demonstrate
  - instruct
  - critique
  - test
- I.D.E.A:
  - introduce
  - demonstrate
  - explain
  - apply

***Activity specific knowledge*** may include:

- abseiling skills and techniques
- establishment of ropes
- features of a natural surface
- minimal impact practices
- risk and hazard management
- equipment selection, use and maintenance
- communication systems used in abseiling.

***Abseiling skills*** may include:

- abseiling and belaying techniques
- establishment and retrieval of ropes for a multi pitch
- use and knowledge of different techniques
- negotiation of hazards and or risks
- use and maintenance of equipment.

***Safety and rescue procedures*** may include:

- emergency response procedures
- group management in emergency situations
- emergency response equipment
- understanding of safety practices.

***Opportunities*** may include:

- locations suitable to skill level
- range of equipment and clothing available
- abseiling clubs or groups in the local area.

***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**

Abseiling natural surface