

# NZOIA™ Bush Instructor – Level 2



Photo: Whenua Iti Outdoors

## Assessment Guide For Assessors and Candidates

## **Assessment Notes**

This Assessment Guide is to assist assessors with judging a candidate's competency. All judgements must be based on current best practice and industry standards. This guide is also to help candidates know what they will be assessed on and what assessment tasks they will be asked to complete.

Assessors use three types of direct evidence to judge a candidate's competency:

- Written questions / assignment.
- Oral questions and discussion.
- Observation of practical tasks.

In addition to the competencies outlined below, the candidate will be expected to be able to demonstrate or teach any of the competencies outlined in the NZOIA Bush Instructor Level 1 Assessment Guide.

## **Technical Competence**

### **1. Demonstrate advanced navigation techniques above and below the bushline.**

The candidate will demonstrate:

- Navigating across varied and steep off track terrain above the bushline, using a map and natural features.
- Using a range of advanced navigation techniques e.g. collecting features, catching features, aiming off, attack points, handrails.
- Travelling on both magnetic and grid compass bearings in thick bush and/or limited visibility above the bushline.
- Navigating around an obstacle with or without use of a compass.
- Locating position on a map using natural features, observation and memory only.
- Using resection to locate position on a map.
- Familiarity with the use, advantages and limitations of navigational aids e.g. altimeters, GPS.

## **2. Demonstrate campcraft skills above the bushline.**

The candidate will:

- Demonstrate selecting a campsite above the bushline\* and identifying any natural hazards present.
- Describe the advantages and disadvantages of different camping shelters suitable for use above the bushline e.g. tent, fly, bivvy bag.
- Describe the advantages, disadvantages and safe use of different stove types suitable for use above the bushline e.g. gas, methylated spirits and white-spirits.
- Demonstrate the organisation skills required for managing gear and cooking in adverse conditions.
- Describe appropriate toileting practices for use above the bushline.

\* In adverse weather conditions the candidate may be required to demonstrate this below the bushline.

## **3. Demonstrate safe river crossing and travel practices.**

The candidate will:

- Demonstrate current best practice crossing methods for a variety of river types - confined gorges, fast down cutting creeks, fast side streams.
- Demonstrate best practice for an individual, a mutual support with a non-confident person, and a recovery swim for a given river crossing.
- Demonstrate and/or describe the use of throw bags and/or ropes for river travel and crossing.

## **The Environment**

### **4. Demonstrate knowledge of meteorology and apply weather interpretation and forecasting skills.**

The candidate will:

- Have an understanding of global weather systems and global influences on New Zealand's weather e.g. Coriolis Effect, Hadley Cells, El Niño, La Niña.
- Be able to describe what the symbols on a synoptic weather map represent and from a synoptic map make a 48-72 hour weather forecast for a given mountain area in New Zealand.
- Demonstrate the ability to anticipate weather conditions from changes in clouds, temperature and wind direction in a mountain area of New Zealand and based on these observations make a 24 hour forecast.

## **5. Role model exemplary environmental practices.**

The candidate will:

- Demonstrate and/or describe the responsibilities to land owners and other users, including access protocols and issues.
- Have an understanding of the broader social and political issues regarding land use, resource management and conservation in New Zealand, and the affects of these on outdoor recreation.
- Demonstrate ways to minimise rubbish and deal with biodegradable waste to avoid pollution of waterways above the bushline.
- Role model the principles of Leave No Trace and/or the New Zealand Environmental Care Code.

## **6. Demonstrate and / or describe cultural and environmental knowledge of the bush and alpine environments.**

The candidate will:

- Demonstrate a broad knowledge of the flora, fauna, geology and history of the New Zealand's bush and alpine regions.
- Understand and connect concepts of tikanga Māori to the bush and alpine environments e.g. Pounamu trails, traditional food gathering, Kaitiakitanga, creation stories.
- Have knowledge of and be able to describe the history and purpose of the major organisations involved in the administration, protection and advocacy of New Zealand's bush and alpine environments e.g. DOC, Federated Mountain Clubs, Mountain Safety Council, Forest and Bird.

## **Group Management and Leadership**

### **7. Plan and prepare for a multi-day tramping trip.**

The candidate will prepare a written plan for a 3-5 day tramping trip in untracked terrain, which outlines:

- The aims, objectives and purpose of the trip.
- Route information including; estimated distances and times, emergency and alternative routes.
- Risk and hazard identification and management.
- Any consent or access issues.
- How to get weather information.
- Gear and equipment lists for both individuals and the group.
- A menu plan which includes balanced, nutritious and varied food, fuel requirements, emergency food and identifies safe methods for organising group cooking.
- Intentions information, communications and emergency contacts.

## **8. Lead and manage a group in a bush and above the bushline environment.**

The candidate will demonstrate:

- Selecting an appropriate route above the bushline, identify the potential risks and disclose these effectively to others.
- Coordinating a group in a range of bush and above the bushline terrain e.g. thick bush, sub-alpine scrub, tussock, rocky broken ground, scree, slippery ground.
- Safeguarding a group during travel on steep terrain above the bush line using the following methods;
  - route selection
  - spotting and buddy support
  - lowering packs/equipment
  - a fixed hand line with secure anchors
  - belaying using a tramping rope and no harness.
- Establishing rapport and using a leadership style appropriate to the group.

## **9. Apply effective safety management.**

The candidate will:

- Be familiar with the use of and can describe the advantages and limitations of different types of communication devices suitable for use in bush and alpine environments e.g. mountain radio, VHF, cell phone, GPS tracker, PLB.
- Demonstrate the construction of an emergency shelter suitable for surviving a night above the bushline in adverse weather conditions (wind and rain), using equipment carried and natural features.
- Have a first aid kit and be able to deal with first aid situations as required.
- Demonstrate awareness of the risks and appropriate risk management strategies during a bush trip above the bushline and the ability to adjust plans when required.
- Describe how the New Zealand Land Search and Rescue system works.
- Describe safety precautions around helicopters.
- Describe the rights of the users and non-users of firearms.
- Never compromise their personal safety or the safety of their participants.
- Demonstrate safe practices and good judgement and decision making within the scope of this qualification.

## **Instruction**

The candidate will prepare and deliver teaching sessions for any skill contained in the NZOIA Bush Instructor Level 1 or Level 2 Assessment Guides to either a group of model students or peers.

### **10. Instruct safe, well managed and positive learning experiences for participants.**

The candidate will demonstrate:

- A range of teaching skills e.g. introduction, appropriate voice, language and body language, teaching/visual aids, demonstrations, use of teachable moments, evaluation of learning.
- A wide knowledge of the topic.
- Demonstrate an ability to impart knowledge to students on the flora, fauna, geology and history of New Zealand's bush and alpine environments and inspire them to increase their knowledge and direct them to further sources of information.

### **11. Teach advanced bushcraft and navigation skills.**

The candidate will provide participants with effective instruction in advanced bushcraft and navigation skills. The candidate will be expected to evaluate the needs and requirements of their students and teach at a level appropriate to these. Possible teaching sessions could include, but are not limited to the following:

- Navigation and location awareness using a map and natural features.
- Advanced navigation techniques e.g. collecting features, catching features, aiming off, attack points, handrails.
- Navigating around obstacles using a compass.
- Using navigational aids such as altimeters and GPS.
- Mountain weather systems.
- Use of communication devices suitable for use in bush and alpine environments e.g. mountain radio, VHF, cell phone, GPS tracker, PLB.
- River crossing.