



**Learner Assessment Guide**  
**Unit Standard 3285**  
**Demonstrate knowledge of protection of personal safety at**  
**vegetation fires**  
**(Level 3, Credit 3, Version 3)**

**Level Descriptor**

Level	Process	Employing	Responsibility
<b>3</b>	<b>Carrying out processes that:</b> <ul style="list-style-type: none"> <li>• Require a range of well developed skills</li> <li>• Offer a significant choice of procedures</li> <li>• Are employed within a range of familiar contexts</li> </ul>	<b>Employing:</b> <ul style="list-style-type: none"> <li>• Some relevant theoretical knowledge</li> <li>• Interpretation of available information</li> <li>• Discretion and judgement</li> <li>• A range of known responses to familiar problems</li> </ul>	<b>Applied:</b> <ul style="list-style-type: none"> <li>• In directed activity with some autonomy</li> <li>• Under general supervision and quality checking</li> <li>• With significant responsibility for the quantity and quality of output</li> <li>• With possible responsibility for the output of others</li> </ul>

**Descriptors:**

Credit 3 - requires approximately 30-36 hours of learning, practice, and assessment for a person with no previous knowledge or experience.

Version 3 - This document has been prepared based on version 3 of the Unit Standard.

**Elements:**

1. Demonstrate knowledge of elements of vegetation fire behaviour.
2. Demonstrate knowledge of vegetation fire suppression strategies.
3. Demonstrate knowledge of attendance to personal safety on the incident ground.
4. Demonstrate knowledge of safe practices when working at vegetation fires.

**Prerequisites:**

None.

**Assessment Conditions:**

Usually assessed by oral or written questioning.

Practical demonstration may be used accompanied by oral questions.

**Resources:**

1. Assessment practical scenarios sheet provided by the assessor.
2. Theory Assessment Paper (closed book).
3. Personal Protective Equipment.

- Special Notes:**
- This unit standard may be assessed under real supervised environment or practical simulated conditions.
  - The primary learning reference for this unit is available from FRSITO.
  - Compliance with providers Health & Safety policy and procedure is mandatory.

**Assessment Brief Instructions:**

The assessor may use pre-course, on course, post course or workplace written or oral assessments as evidence towards gaining the knowledge based components of this unit. The assessor will evaluate the relevance of the evidence against the unit standard. The lists below provide an outline of the assessment components a learner should expect to encounter in achieving this unit.

**This Learner Assessment Guide is simply a guide and does not determine the sufficiency or validity of evidence the assessor must evaluate using assessment best practice criteria.**

**LEARNERS SHOULD ALWAYS REVIEW THE REQUIREMENTS CONTAINED IN THE UNIT STANDARD DOCUMENT PRIOR TO REQUESTING ASSESSMENT.**

**Assessing Element 1: Demonstrate knowledge of elements of vegetation fire behaviour**

Learner will demonstrate basic understanding and simple identifications of the following aspects and elements of vegetation fire science, fire environment and fire behaviour including:

- components of the fire triangle
- heat
- oxygen
- fuel
- fuel factors (low moisture content, change of physical state)
- stages of combustion (pre-heating, gaseous, charcoal)
- methods of heat transfer (convection, conduction, radiation, ember transport)
- removal of triangle elements (cooling, starving, removal), and

Any four factors of the vegetation fire environment and their effects on fire behaviour (e.g.

Weather factors are: rainfall, wind, temperature, and humidity.

Fuel factors are: type, size, quantity, arrangement, and moisture content.

Topography factors are: slope, aspect, ridges, terrain and wind effect, gullies, barriers to fire spread.

- types
- parts
- and spread patterns of a fire

Usually assessed using oral questioning or written assessment.

**Assessing Element 2: Demonstrate knowledge of vegetation fire suppression strategies**

Learner will give clear and simple explanations to identify and describe:

- various types and stages of vegetation fire attack, and the fire suppression rules
- communication requirements and procedures

Usually assessed using oral questioning or written assessment but a learner may be asked to practically demonstrate communication requirements.

**Assessing Element 3: Demonstrate knowledge of attendance to personal safety on the incident ground**

Learner will:

Identify simulated or real hazards and explain measures to be taken to attend to personal safety, and to protect against personal injury. The source of questions should relate directly to the primary reference material.

Identify physical and medical limitations in terms of fire fighting activities.

- Physical factors,
- Preventative measures
- Protective measures
- LACES

Describe the procedures to use when overtaken by fire.

**Assessing Element 4: Demonstrate knowledge of safe practices when working at vegetation fires**

Learner will explain or demonstrate:

Safety requirements when working in the vicinity of hand tools, portable equipment, and heavy support machinery.

Ground safety requirements when working in the vicinity of aircraft.

Practical demonstration of these requirements will be done in either a simulated or real situation.