

## Carry out hand-operated ignition at prescribed vegetation burning operations

**Level** 3

**Credits** 3

**Purpose** People credited with this unit standard are able to demonstrate knowledge of vegetation burning operations, and light up vegetative fuels at a prescribed vegetation burning operation.

**Subfield** Fire and Rescue Services

**Domain** Fire and Rescue Services - Vegetation

**Status** Registered

**Status date** 20 November 2009

**Date version published** 20 November 2009

**Planned review date** 31 December 2014

**Entry information** Prerequisite: Unit 3285, *Demonstrate knowledge of protection of personal safety at vegetation fires*, or demonstrate equivalent knowledge and skills.

**Accreditation** Evaluation of documentation and visit by NZQA and industry.

**Standard setting body (SSB)** Fire and Rescue Services Industry Training Organisation

**Accreditation and Moderation Action Plan (AMAP) reference** 0039

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

---

### Special notes

- 1 Compliance with the fire and rescue service provider's Health and Safety policy and procedures is mandatory.
- 2 Assessment against this unit standard must take place using live fire.
- 3 Definition  
*Fire and rescue service provider's requirements* refer to policies and procedures on safety and operation set down by each fire and rescue service employer or host organisation.

---

## Elements and performance criteria

### Element 1

Demonstrate knowledge of vegetation burning operations.

#### Performance criteria

- 1.1 The burn plan and command structure is described in accordance with the fire and rescue service provider's requirements.
- 1.2 Responsibilities and tasks at the burning operation are explained in accordance with the fire and rescue service provider's requirements.
- 1.3 Assessment of the burn area is carried out and explained in accordance with the requirements of the fire and rescue service provider.
- Range escape routes, assembly point, hazards, danger areas, communications.
- 1.4 Various fire lighting processes are described in accordance with the fire and rescue service provider's requirements.
- Range ignition point spacing, ring burning, strip lighting, central ignition, burning out.
- 1.5 The operation of the lighting up equipment is explained in accordance with the fire and rescue service provider's requirements.
- Range may include but is not limited to – igniters, drip torches, pressurised burners, backpack flame-throwers.

### Element 2

Light up vegetative fuels at a prescribed vegetation burning operation.

#### Performance criteria

- 2.1 Protective equipment is used in accordance with the fire and rescue service provider's requirements.
- 2.2 Safe working practices and lighting up techniques are demonstrated in accordance with the fire and rescue service provider's requirements.
- Range communication, use of buddy system, burner re-fuelling precautions, awareness of escape route, monitoring fire behaviour with respect to own position, avoidance of danger areas.
- 2.3 Communication is maintained with at least one other crew member throughout the lighting operation in accordance with the requirements of the burn plan and the fire and rescue service provider.

2.4 Vegetation fuel is ignited in accordance with the burn plan.

---

**Please note**

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

---

**Comments on this unit standard**

Please contact the Fire and Rescue Services Industry Training Organisation [info@frsito.org.nz](mailto:info@frsito.org.nz) if you wish to suggest changes to the content of this unit standard.