

Control vegetation fires using dry fire fighting techniques

Level 3

Credits 3

Purpose This unit standard applies to the use of a wide range of hand, power and mechanical tools, and knapsack pumps used during fire control action.

People credited with this unit standard are able to: demonstrate knowledge of the use of hand tools when fighting vegetation fires; construct a fire line when fighting vegetation fires; and demonstrate knowledge of mop-up and patrol following a vegetation fire.

Subfield Fire and Rescue Services

Domain Fire and Rescue Services - Vegetation

Status Registered

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Entry information Open.

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 may take place under real or practical simulated conditions.
- 3 The primary reference for this unit standard is *Use of Hand Tools*, Fire and Rescue Services Industry Training Organisation (FRSITO) (Wellington: FRSITO, 1999). This reference is available from FRSITO, PO Box 11988, Wellington 6142.

4 *Anchor point* refers to the start point of the constructed fire line.

Elements and performance criteria

Element 1

Demonstrate knowledge of the use of hand tools when fighting vegetation fires.

Performance criteria

- 1.1 Hand tools used for fighting vegetation fires are listed and their use described in accordance with the primary reference.
- 1.2 Safety precautions that must be adopted with the use of hand tools are described in accordance with the primary reference.
- Range personal safety, safety of crew.
- 1.3 Three fire situations and their containment methods using hand tools are described in accordance with the primary reference.
- 1.4 The assessment of flame length for safe attack using hand tools is described in accordance with the primary reference.
- 1.5 Fire line construction techniques using hand tools are explained in accordance with the primary reference.
- Range use of natural barriers, avoidance of heavy fuel material, width, height of adjacent and overhanging vegetation, positioning of burnt and un-burnt material, trenching on slopes.

Element 2

Construct a fire line when fighting vegetation fires.

Performance criteria

- 2.1 Methods of constructing a fire line using hand or mechanical tools are demonstrated in accordance with the primary reference.
- Range one of – progressive (one-lick) method, step-up method.
- 2.2 The fire line is constructed in accordance with the primary reference.
- Range location, anchor point, width, height of adjacent and overhanging vegetation, positioning of burnt and un-burnt material, trenching on slopes.

Element 3

Demonstrate knowledge of mop-up and patrol following a vegetation fire.

Performance criteria

- 3.1 The patrol of the area after vegetation fire suppression is explained in accordance with the primary reference.
- 3.2 The identification of hot spots and the action taken is explained in accordance with the primary reference.

Range actions taken – isolated, extinguished, contained, assistance sought;
identification methods – visual, cold trailing.

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 if you wish to suggest changes to the content of this unit standard.