

Title	Lead a prescribed vegetation burning operation crew		
Level	4	Credits	3

Purpose	<p>This unit standard is for personnel who are required to supervise a crew engaged in the light-up and patrol of prescribed burning operations and for burning out operations at wild fires.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> - demonstrate knowledge of vegetation burning equipment; - demonstrate knowledge of lighting-up patterns and ignition techniques; - supervise a lighting-up crew; - assess fire environment and fire behaviour during lighting-up operations; and - communicate during a vegetation burning operation.
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Classification	Fire and Rescue Services > Fire and Rescue Services - Vegetation
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Available grade	Achieved
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Prerequisites	Unit 3289, <i>Carry out hand-operated ignition at prescribed vegetation burning operations</i> ; and Unit 14564, <i>Demonstrate knowledge of the fire environment on vegetation fire behaviour</i> , or demonstrate equivalent knowledge and skills.
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Guidance Information

- 1 Compliance with the fire and emergency agency workplace or host Health and Safety policy and procedures is mandatory.
- 2 Assessment against this unit standard must take place with the use of live fire.
- 3 Definition
Fire and emergency agency's requirements refer to policies, procedures and supporting documentation on safety and operations set down by each fire and emergency agency employer or host organisation.
- 4 Assessment against outcomes 1, 2, and 3 must be in accordance with the fire and emergency agency's requirements.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of vegetation burning equipment.

Performance criteria

1.1 Performance characteristics and capabilities of burning equipment are described.

Range igniters, drip torches, pressurised burners, backpack flame-throwers, aerial ignition equipment.

1.2 Safety requirements for burning equipment are explained.

Outcome 2

Demonstrate knowledge of lighting-up patterns and ignition techniques.

Performance criteria

2.1 Light-up methods and patterns, and safe work requirements are explained.

Range any four of the following – ignition-point spacing, strip lighting, central ignition, spot ignition, burning out, flank burning, ring burning.

2.2 Ignition techniques are explained.

Outcome 3

Supervise a lighting-up crew.

Performance criteria

3.1 The burn plan, command structure, and communications plan are explained.

3.2 Tasks are allocated in accordance with the requirements of the burn plan.

3.3 Crew members are briefed in accordance with the requirements of the burn plan.

Range tasks, responsibilities, escape routes, safety procedures, hazards, communications.

3.4 Crew performance and safety is monitored and corrective action taken in accordance with the requirements of the burn plan.

Outcome 4

Assess fire environment and fire behaviour during lighting-up operations.

Performance criteria

- 4.1 The fire environment and fire behaviour is monitored in accordance with the requirements of the burn plan.
- 4.2 Changes in the fire environment and the fire behaviour are assessed and lighting-up action modified in accordance with the requirements of the burn plan.

Outcome 5

Communicate during a vegetation burning operation.

Range may include but is not limited to – crew, fire supervisors, Fire Authority, aircraft.

Performance criteria

- 5.1 Communication is maintained in accordance with the requirements of the burn plan.
- 5.2 Information is communicated in accordance with the requirements of the burn plan.

Range work progress, fire behaviour, crew safety.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	16 March 1995	N/A
Revision	2	21 May 1998	N/A
Review	3	25 March 2004	N/A
Review	4	20 November 2009	N/A
Revision and Rollover	5	30 September 2021	N/A

Consent and Moderation Requirements (CMR) reference	0039
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact The Skills Organisation reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.