

Title	Manage prescribed vegetation burning operations		
Level	5	Credits	6

Purpose	<p>This unit standard is for fire and rescue personnel who are required to plan, organise and manage prescribed burning operations, including multiple crews and resources.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> - demonstrate knowledge of light-up patterns for prescribed burning operations; - develop a plan for prescribed burn of vegetation; - prepare for prescribed burn of vegetation; and - manage implementation of vegetation burn plan.
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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 3294, <i>Lead a prescribed vegetation burning operation crew</i> , and Unit 4648; <i>Demonstrate knowledge of vegetation fire behaviour</i> , or demonstrate equivalent knowledge and skills.
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Guidance Information

- 1 Compliance with the fire and emergency agency's 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 all outcomes must be in accordance with the fire and emergency agency's requirements.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of light-up patterns for prescribed burning operations.

Performance criteria

- 1.1 Fire behaviour is predicted for different weather interactions for a given geographical area.
- 1.2 Light-up patterns are evaluated for a given burning situation.

Outcome 2

Develop a plan for prescribed burn of vegetation.

Performance criteria

- 2.1 Information relevant to the prescribed burn is collected and assessed.
- Range inspection of burn area, interpretation of topographical maps and/or aerial photographs, legislative constraints, risks to adjacent areas, fire behaviour criteria, weather conditions, potential for fire escape, suppression resources.
- 2.2 A written prescribed burn plan is prepared.
- Range communications, deployment of resources, control line action, formation standards, light-up patterns and techniques, firing sequences, control of prescribed fire, required levels of vegetation removal, protection of exposures and surrounding area, safety of personnel and equipment.
- 2.3 Approval for the prescribed burn plan is obtained.

Outcome 3

Prepare for prescribed burn of vegetation.

Performance criteria

- 3.1 Inspection of the prescribed burn area by an authorised Rural Fire Officer is arranged and a fire permit is issued.
- 3.2 Updated weather forecasts are obtained and support services secured in accordance with the burn plan.
- 3.3 Crew leaders are prepared for the burn operation in accordance with the burn plan.
- Range communications established, tasks allocated, crew leaders briefed.

Outcome 4

Manage implementation of vegetation burn plan.

Performance criteria

4.1 Compliance requirements are met prior to light-up.

4.2 The burn is managed.

Range burn plan followed, communication with personnel, communication with Fire Authority, deployment of resources, monitoring of crew performance, threat of fire escape, assessment of burning operation with plan, amendments to plan, mop-up, patrol.

4.3 Documentation is completed.

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.