

<b>Title</b>	<b>Assess threat from vegetation fire</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to: <ul style="list-style-type: none"> <li>- demonstrate knowledge of vegetation fire threat analysis;</li> <li>- assess and evaluate threats from vegetation fire; and</li> <li>- devise strategies to mitigate threat from vegetation fire.</li> </ul>
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<b>Classification</b>	Fire and Rescue Services > Fire and Rescue Services - Vegetation
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<b>Available grade</b>	Achieved
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<b>Prerequisites</b>	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 workplace or host Health and Safety policy and procedures is mandatory.
- 2 Assessment against this unit standard must take place under real or simulated conditions.
- 3 Assessment against all outcomes must be in accordance with the fire and emergency agency's requirements.
- 4 **Definitions**  
*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.  
*Hazard* refers to a source of potential harm or a situation with a potential to cause loss.  
*Risk* refers to the chance of something happening that will have an impact on objectives. It is measured in terms of consequence and likelihood.  
*Threat* refers to an indication of the approach of something unwelcome or undesirable; a person or thing regarded as a cause of harm.  
*Values* refer to the specific or collective set of natural resources and man-made improvements/developments that have measurable or intrinsic worth and that could or may be destroyed or otherwise altered by fire in any given area or those exposures that are threatened by fire.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of vegetation fire threat analysis.

#### Performance criteria

- 1.1 The principles of fire threat analysis are outlined and the components of a vegetation fire threat analysis are explained.
- 1.2 Key inputs to each of the components are explained.
- 1.3 The outputs of a vegetation fire threat analysis are explained.

### Outcome 2

Assess and evaluate threats from vegetation fire.

#### Performance criteria

- 2.1 Assessment of fire risks in a given geographical area is completed.
- 2.2 Assessment of fire hazards for a given geographical area is completed.
- 2.3 Assessment of values that have the potential to be damaged or destroyed by fire for a given geographical area is completed.
- 2.4 Evaluation of the threat of vegetation fire is completed for a given geographical area.

### Outcome 3

Devise strategies to mitigate threat from vegetation fire.

#### Performance criteria

- 3.1 Threat level zones are determined for a given geographical area on the basis of the threat analysis.
- 3.2 Mitigation strategies are devised to cover each zone.  
Range risk minimisation, hazard minimisation.
- 3.3 Levels of pre-suppression preparedness and firefighting response levels are graded in relation to the threat analysis.
- 3.4 Mitigation strategies that may impinge upon other organisations are identified and critically evaluated.  
Range consultation, alternatives.

<b>Planned review date</b>	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

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:reviewcomments@skills.org.nz) if you wish to suggest changes to the content of this unit standard.