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**FIRE AND RESCUE SERVICES -  
VEGETATION**

**Carry out ignition at prescribed  
vegetation burning operations**

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<b>level:</b>	<b>3</b>
<b>credit:</b>	<b>1</b>
<b>final date for comment:</b>	March 2008
<b>expiry date:</b>	December 2009
<b>sub-field:</b>	Fire and Rescue Services
<b>purpose:</b>	<p>This unit standard is for people who are required to carry out hand operated lighting up equipment for burning of vegetation fuels.</p> <p>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.</p>
<b>entry information:</b>	Prerequisite: Unit 3285, <i>Demonstrate knowledge of protection of personal safety at vegetation fires</i> , or demonstrate equivalent knowledge and skills.
<b>accreditation option:</b>	Evaluation of documentation and visit by NZQA and industry.
<b>moderation option:</b>	A national moderation system of moderation networks has been established by the Fire and Rescue Services Industry Training Organisation.
<b>special notes:</b>	<ol style="list-style-type: none"><li>1 Compliance with the fire and rescue service provider's Health and Safety policy and procedures is mandatory.</li><li>2 Assessment against this unit standard must take place using live fire.</li></ol>

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- 3 *Fire and rescue service provider's requirements or Standard Operating Procedures (SOPs) 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 burning plan and command structure is explained in accordance with the requirements of the fire and rescue service provider.
- 1.2 Responsibilities and tasks assigned at the burning operation are in accordance with the requirements of the fire and rescue service provider.
- 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 SOPs.
- Range: ignition point spacing, ring burning, strip lighting, central ignition, back burning.

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1.5 The operation of the lighting up equipment is explained in accordance with the SOPs.

Range: igniters, drip torches, pressurised burners, backpack flame-throwers.

**element 2**

Light up vegetative fuels at a prescribed vegetation burning operation.

**performance criteria**

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

2.2 Protective equipment is used in accordance with the requirements of the fire and rescue service provider.

2.3 Safe working practices and lighting up techniques are demonstrated in accordance with SOPs.

Range: use of buddy system, burner re-fuelling precautions, awareness of escape route, monitoring fire behaviour with respect to own position, avoidance of danger areas.

2.4 Communication is maintained with at least one other crewmember throughout the lighting operation in accordance with the requirements of the burn plan and the fire and rescue service provider.

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**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.

**Please Note**

Providers must be accredited by the Qualifications Authority or a delegated inter-institutional body before they can register credits from assessment against unit standards or deliver courses of study leading to that assessment.

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

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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 providers wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

This unit standard is covered by AMAP 0039 which can be accessed at <http://www.nzqa.govt.nz/site/framework/search.html>.