

Title	Load fire suppressants for aerial operations at vegetation fires		
Level	3	Credits	2

Purpose	<p>This unit standard is for fire and emergency personnel loading fire suppressants for air operations as part of a crew at vegetation fires.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> - demonstrate knowledge of safe practices when loading aircraft with fire suppressants; - work as part of a crew to set up a site for aircraft loading and filling operations; and - fill helicopter buckets or fixed wing hoppers with fire suppressants to safe load levels.
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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 20388, <i>Work safely with the aircraft during an emergency incident</i> ; or demonstrate equivalent knowledge and skills.
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Guidance Information

- 1 Recommended: Unit 20386, *Operate portable pumps for firefighting*.
- 2 Compliance with the fire and emergency agency's Health and Safety policy and procedures is mandatory.
- 3 Definition
Fire and emergency agency's requirements refer to policies, procedures and supporting documentation on safety and aircraft operations set down by each fire and emergency agency employer or host organisation.
- 4 Assessment against this unit standard must take place under real or simulated conditions.
- 5 Assessment against outcomes 2 and 3 must be in accordance with the fire and emergency agency's requirements.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of safe practices when loading aircraft with fire suppressants.

Range aircraft include – fixed wing, rotary wing.

Performance criteria

1.1 Personal protective equipment required for the filling operation is identified.

Range factors – water/cold protection, head/vision/hearing protection, safety footwear, high visibility clothing.

1.2 Methods of communication within the crew during a filling operation are explained.

1.3 Requirements for safe handling of retardant and suppressant concentrates are explained in accordance with manufacturer's guidelines.

1.4 Requirements for adjustments of drop pattern are explained.

Outcome 2

Work as part of a crew to set up a site for aircraft loading and filling operations.

Range aircraft include – fixed wing, rotary wing.

Performance criteria

2.1 Equipment is selected and set up for use.

2.2 Consumables are arranged on site.

Outcome 3

Fill helicopter buckets or fixed wing hoppers with fire suppressants to safe load levels.

Performance criteria

3.1 Filling is carried out.

Range load requirements, safe practices, communications.

3.2 Equipment used is recommissioned after use.

Planned review date	31 December 2026
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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	31 December 2013
Revision	2	21 May 1998	31 December 2013
Review	3	25 March 2004	31 December 2013
Review	4	17 September 2010	31 December 2023
Review	5	30 September 2021	N/A

Consent and Moderation Requirements (CMR) reference

0039

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.