

Title	Lead ground support for air operations at vegetation fires		
Level	5	Credits	4

Purpose	<p>This unit standard is for personnel at vegetation fires who have responsibility for leading the ground support component of air operations.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> - demonstrate knowledge of aircraft requirements in relation to vegetation firefighting; - select landing sites for fixed and rotary wing aircraft at vegetation fires; and - lead ground support operations at vegetation fires.
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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 3285, <i>Demonstrate knowledge of working safely at vegetation fires</i> ; Unit 32158, <i>Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System</i> ; Unit 14564, <i>Demonstrate knowledge of the fire environment on vegetation fire behaviour</i> ; 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 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 under real or simulated conditions.
- 3 Assessment against all outcomes must be in accordance with the fire and emergency agency's requirements.
- 4 **Definition**
Fire and emergency agency's requirements refer to the policies, procedures, and supporting documentation on safety and aircraft operations set down by each fire and emergency agency employer or host organisation.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of aircraft requirements in relation to vegetation firefighting.

Performance criteria

- 1.1 Performance characteristics and firefighting capabilities of aircraft are identified.
- Range aircraft include – fixed wing, rotary wing.
- 1.2 Flight documentation is described.
- Range flight operations return, flight manifest.
- 1.3 Logistical requirements for aircraft used at vegetation fires are identified.
- Range site delivery times, ground based support, aviation fuel, water and additives.
- 1.4 Radio communications techniques and protocols are explained.
- Range must include but is not limited to – air to ground, incident management.

Outcome 2

Select landing sites for fixed and rotary wing aircraft at vegetation fires.

Performance criteria

- 2.1 Suitable airstrips and helipads are identified.
- Range aircraft capabilities, safety of personnel, delivery of water and additives, access for support personnel and vehicles.
- 2.2 Suitable landing site are identified.
- Range length, side clearance, end clearance, visibility, hazards to aircraft, surrounding terrain, road traffic control, wandering livestock and wildlife, aircraft capabilities, safety of personnel.
- 2.3 Temporary helipads are selected for the safe operation and servicing of rotary wing aircraft.
- Range terrain influence, weather influence, flight hazards, aircraft capabilities, safety of personnel, delivery of water and additives, access for support personnel and vehicles.

Outcome 3

Lead ground support operations at vegetation fires.

Performance criteria

3.1 Safety and welfare of ground support personnel is maintained.

Range personnel safety and welfare, allocation of tasks, crew safety briefing, crew performance.

3.2 Communications with ground support are established and maintained.

Range aircraft, ground crew, incident management.

3.3 Fire behaviour is monitored in relation to aircraft and ground support crew safety.

Range current situation, predicted situation.

3.4 Resource requirements for operations are monitored.

Range current situation, predicted situation.

3.5 Resource utilisation is recorded.

3.6 Situations requiring additional support are identified and communicated to incident management.

Range aircraft operations, heavy machinery, water carriers.

3.7 The public are controlled to prevent interference with operations and operational safety are maintained.

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
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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.