| Title | Supervise aerial fire suppression operations at vegetation fires | | |
|-------|------------------------------------------------------------------|--|--|
| Level | 5 | Credits | 5 |

| Purpose | This unit standard is for fire and emergency personnel who are required to supervise aerial firefighting operations in a Sector Supervisor role or higher.<br><br>People credited with this unit standard are able to, for vegetation firefighting operations:<br>- contribute to the overall fire suppression strategy and develop tactical solutions for aerial fire suppression;<br>- direct aerial fire suppression operations; and<br>- monitor and communicate the effectiveness of aerial fire suppression operations. |
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| Classification | Fire and Rescue Services > Fire and Rescue Services - Vegetation |
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| Available grade | Achieved |
|-----------------|----------|

| Prerequisites | Unit 3293, *Lead ground support for air operations at vegetation fires*; Unit 14564, *Demonstrate knowledge of the fire environment on vegetation fire behaviour*; Unit 32158, *Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System;* and Unit 20388, *Work safely with the aircraft during an emergency incident,* 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    Definition
     *Fire and emergency agency's requirements* refer to policies, procedures and supporting documents on safety and aircraft 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

Contribute to the overall fire suppression strategy and develop tactical solutions for aerial fire suppression for vegetation firefighting operations.

### Performance criteria

1.1      Aerial attack needs are assessed in terms of the situation.

        Range        values threatened, firefighter safety, fire behaviour, aircraft safety, communications.

1.2      Tactics for aerial attack are developed with regard to the situation and fire suppression strategy.

        Range        includes but is not limited to – flying conditions, fire behaviour, resource availability, aircraft safety.

1.3      Aircraft loading sites are selected to enable the achievement of the fire suppression objectives.

        Range        includes but is not limited to – turn around times, water supply, access.

### Outcome 2

Direct aerial fire suppression operations for vegetation firefighting operations.

### Performance criteria

2.1      Support services and materials are coordinated to enable continuity of operation in accordance with the incident objectives.

        Range        personnel, fuels, water, additives, servicing, transport, communications.

2.2      Pilots and ground personnel are briefed to provide information on tactics and the fire suppression objectives.

2.3      Resource requirements for operations are monitored.

        Range        aircraft, fuels, water, additives, support equipment, personnel.

2.4      Air and ground activities are coordinated to promote personnel safety.

        Range        includes but is not limited to –
                SEEL – safety, efficiency, effectiveness, logistics;
                CRM – crew resource management;
                TEM – threat and error management.

2.5        Activities are recorded.

## Outcome 3

Monitor and communicate the effectiveness of aerial fire suppression operations for vegetation firefighting operations.

### Performance criteria

3.1        Aerial fire suppression operations are evaluated in relation to the economic use of other suppression measures.

           Range        fire containment, fire behaviour, values threatened, SEEL.

3.2        Communications are maintained with incident personnel for the duration of the operation.

3.3        Weather conditions and fire behaviour are monitored.

3.4        Information on current and predicted situation is communicated to incident management.

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| 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 | 30 April 1998 | 31 December 2023 |
| Review | 2 | 25 March 2004 | 31 December 2023 |
| Revision | 3 | 20 November 2006 | 31 December 2023 |
| 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.