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

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| Purpose | <p>This unit standard is for personnel at vegetation fires who have responsibility for the ground support component of air operations.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of aircraft requirements in relation to vegetation fire fighting; choose landing sites for fixed and rotary wing aircraft; and lead ground support operations at vegetation fires.</p> |
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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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| Entry information | |
| Critical health and safety prerequisites | Unit 3285, <i>Demonstrate knowledge of protection of personal safety at vegetation fires</i> ; Unit 3288, <i>Load water and additives for aerial operations at vegetation fires</i> ; and Unit 17279, <i>Demonstrate knowledge of the coordinated incident management system (CIMS)</i> ; or demonstrate equivalent knowledge and skills. |

Explanatory notes

- 1 Compliance with the fire and rescue service provider’s Health and Safety policy and procedures is mandatory.
- 2 Assessment against this unit standard may take place under real or practical simulated conditions.
- 3 The primary reference for this unit standard is the *Air Operations Information and Checklist*, National Rural Fire Authority (NRFA) (Wellington: NRFA, 2004), available from FRSITO, PO Box 11988, Wellington 6142, or the NRFA, PO Box 2133, Wellington 6140.
- 4 A list of Civil Aviation Authority (CAA) approved airstrips and helipads can be accessed at http://www.caa.govt.nz/airspace/AirNavReg/Aerodrome_co.pdf.

5 Definitions

Fire and rescue service provider's requirements refer to policies and procedures on safety and operation set down by each fire and rescue service provider or host organisation.

Incident Action Plan (IAP) is a statement of the objectives, strategies, and critical functions to be taken at the incident.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of aircraft requirements in relation to vegetation fire fighting.

Evidence requirements

1.1 Performance characteristics and fire fighting capabilities of aircraft are identified in accordance with the primary reference.

Range aircraft include – fixed wing, rotary wing.

1.2 Flight documentation is described in accordance with the fire and rescue service provider's requirements.

Range flight return, flight summary, flight manifest, air communiqué.

1.3 Logistical requirements for aircraft used at vegetation fires are identified in accordance with the primary reference.

Range site delivery times, ground based support, aviation fuel, water and additives.

1.4 Radio communications techniques and protocols are explained in accordance with the fire and rescue service provider's requirements.

Range air to ground, incident management.

Outcome 2

Choose landing sites for fixed and rotary wing aircraft.

Evidence requirements

2.1 Suitable CAA airstrips and helipads are identified in accordance with the primary reference.

Range aircraft capabilities, safety of personnel, delivery of water and additives, access for support personnel and vehicles.

- 2.2 Suitable roads are identified for use as airstrips in accordance with the primary reference.
- 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 in accordance with the primary reference.
- 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.

Evidence requirements

- 3.1 Safety and welfare of ground support personnel is maintained in accordance with the fire and rescue service provider's requirements.
- Range personnel safety and welfare, allocation of tasks, crew safety briefing, crew performance.
- 3.2 Communications are established and maintained in accordance with the fire and rescue service provider's requirements.
- Range aircraft, ground crew, incident management.
- 3.3 Fire behaviour is monitored in relation to aircraft and ground support crew safety in accordance with fire and rescue service provider's requirements.
- Range current situation, predicted situation.
- 3.4 Resource requirements for operations are monitored in accordance with the IAP.
- Range current situation, predicted situation.
- 3.5 Resource utilisation is recorded in accordance with the fire and rescue service provider's requirements.
- 3.6 Situations requiring additional support are identified and communicated to incident management in accordance with the IAP.
- Range aircraft operations, heavy machinery, water carriers.

- 3.7 Control of the public prevents interference with operations and maintains operational safety in accordance with the fire and rescue service provider's requirements.

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| Planned review date | 31 December 2014 |
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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 | N/A |

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| Accreditation and Moderation Action Plan (AMAP) reference | 0039 |
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This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

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

Comments on this unit standard

Please contact the Fire and Rescue Services Industry Training Organisation info@frsito.org.nz if you wish to suggest changes to the content of this unit standard.