

Manage air operations at vegetation fires

Level 6

Credits 8

Purpose This unit standard is for personnel who have responsibility for the overall management of aerial operations at vegetation fires such as an Air Division Manager.

People credited with this unit standard are able to: plan and implement air-based vegetation fire suppression strategies; monitor fire ground activities and fire behaviour; manage aerial operations at a vegetation fire; and liaise and report during a vegetation fire operation.

Subfield Fire and Rescue Services

Domain Fire and Rescue Services - Vegetation

Status Registered

Status date 25 March 2004

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Entry information Recommended: Unit 14563, *Supervise the operation of aircraft at vegetation fires.*

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Fire and Rescue Services Industry Training Organisation

Accreditation and Moderation Action Plan (AMAP) reference 0039

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Special 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 references for this unit standard include Civil Aviation Rules Part 91 *General Operating and Flight Rules* and Part 133 *Helicopter External Load Operations*, available at <http://www.caa.govt.nz> or from The Civil Aviation Authority of New Zealand, PO Box 31 441, Lower Hutt.

Elements and performance criteria

Element 1

Plan and implement air-based vegetation fire suppression strategies.

Performance criteria

- 1.1 Strategies are developed in liaison with the incident management team in accordance with the requirements of the incident action plan.
- Range airspace restrictions, aircraft capabilities, ground support for aerial operations.
- 1.2 Aerial operational requirements are identified and secured with sufficient lead time in accordance with the incident objectives.
- Range aircraft, landing sites and ground support.
- 1.3 Safety and welfare of personnel and servicing of equipment are allowed for in the strategy in accordance with the fire and rescue service provider's requirements.
- 1.4 Communications systems are established before aerial operations commence in accordance with the incident communications plan.
- 1.5 Aircrew and ground personnel are briefed on the overall fire suppression strategy in accordance with the incident action plan.
- Range strategy, tactics, safety issues.

Element 2

Monitor fire ground activities and fire behaviour.

Performance criteria

- 2.1 Progress of fire suppression activity across the whole fire ground is monitored in regard to the air operation requirements.
- 2.2 Weather conditions and fire behaviour are monitored and reported to the Operations Manager and/or the Incident Controller in accordance with the fire and rescue service provider's requirements.

Element 3

Manage aerial operations at a vegetation fire.

Performance criteria

- 3.1 Management of the air operation allows the objectives to be achieved safely and with least expenditure of resources in accordance with the fire and rescue service provider's requirements.
- 3.2 Coordination with ground activities promotes personnel safety and the effectiveness of the overall operation in accordance with the incident action plan.
- 3.3 Requests from aerial operations are coordinated and actioned in time for operations to continue with minimal down time in accordance with the incident objectives.
- 3.4 Crew and equipment transfers permit movement to be made safely and with least loss of time and interference with the suppression activity in accordance with the incident action plan.
- 3.5 Recording of aerial management activities provides for costing action in accordance with the fire and rescue service provider's policy.

Element 4

Liaise and report during a vegetation fire operation.

Performance criteria

- 4.1 Communications with aerial operations personnel and the incident management team are maintained for the duration of the operation in accordance with the incident command structure and the communication plan.
- 4.2 Communication of situation reports to the Operations Manager allows continuity of fire control action in accordance with the incident objectives.

Please note

Providers must be accredited by the Qualifications Authority, 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 accredited by the Qualifications Authority before they can register credits from assessment against unit standards.

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 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.