
**FIRE AND RESCUE SERVICES -
AIRPORT**
**Respond to and fight external aircraft
fire**

level:	4
credit:	4
final date for comment:	March 2008
expiry date:	December 2009
sub-field:	Fire and Rescue Services
replacement information:	This unit standard and unit standard 20390 replaced unit standard 3325.
purpose:	People credited with this unit standard are able to: respond to call out and position appliance; select strategy for fire suppression; and fight aircraft fire.
entry information:	Prerequisites: Unit 3272, <i>Wear and operate breathing apparatus in general emergencies</i> ; Unit 3324, <i>Drive rescue fire vehicles in airport environments</i> ; Unit 3331, <i>Demonstrate knowledge of aircraft for fire and rescue operations</i> ; and Unit 20391, <i>Demonstrate knowledge of aircraft and the hazards for fire and rescue operations</i> , or demonstrate equivalent knowledge and skills.
accreditation option:	Evaluation of documentation and visit by NZQA and industry.
moderation option:	A national moderation system of moderation networks has been established by the Fire and Rescue Services Industry Training Organisation.
special notes:	1 Compliance with the fire and rescue service provider's Health and Safety policy and procedures is mandatory.

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- 2 Assessment against this unit standard may take place under real or practical simulated conditions.
- 3 Gaining credit for this unit standard will require the operation of both hose and monitor, alone and in a crew. Evidence must be presented for two environmental conditions, and three types of aircraft fire.
environmental conditions - day, night, rain, wind.
types of aircraft fire - engine, auxiliary power unit, wheel brake, cargo, cabin, pressurised fuel, running fuel, spilt fuel.
- 4 Definitions
TCA - theoretical critical area.
PCA - practical critical area.

Elements and Performance Criteria

element 1

Respond to call out and position appliance.

performance criteria

- 1.1 Response to emergency activation is in accordance with aerodrome emergency plan and standard operating procedures.
- 1.2 Incident site is approached in accordance with the requirements of the fire and rescue service provider.

Range: upwind, uphill, regard for the safety of walking survivors, allowance for an escape route.

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1.3 Aircraft fire is analysed, prioritised and tactics explained in terms of type and scale in accordance with the requirements of the fire and rescue service provider.

Range: TCA, PCA, establishing rescue paths.

1.4 Tactical positioning of appliance is in accordance with the requirements of the fire and rescue service provider.

Range: to target the practical critical area, within the range of the appliance's equipment.

element 2

Select strategy for fire suppression.

performance criteria

2.1 Selected extinguishing agent suits the fire type and allows the fire to be controlled in accordance with fire and rescue service provider requirements.

2.2 Selected means of application allows the fire to be controlled in accordance with the requirements of the fire and rescue service provider.

element 3

Fight aircraft fire.

performance criteria

3.1 Extinguishing agent is applied in accordance with the requirements of the fire and rescue service provider.

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- 3.2 Survivable conditions and/or exit paths are maintained in accordance with the requirements of the fire and rescue service provider.
- 3.3 Re-ignition is prevented by maintenance of a foam blanket, isolation of ignition sources and cooling hot metals in accordance with the requirements of the fire and rescue service provider.
- 3.4 Identification of potentially hazardous conditions and the mitigation of those hazards are in accordance with the requirements of the fire and rescue service provider.
- Range: fuel leaks, presence of hazardous cargo, instability of airframe, aircraft material debris.
- 3.5 Supplies of extinguishing agent are maintained to ensure site stability in accordance with the requirements of the fire and rescue service provider.

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.

Please Note

Providers must be accredited by the Qualifications Authority or a delegated inter-institutional body before they can register 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 providers wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

This unit standard is covered by AMAP 0039 which can be accessed at <http://www.nzqa.govt.nz/site/framework/search.html>.