

<b>Title</b>	<b>Respond to and externally fight aircraft fire</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>8</b>

<b>Purpose</b>	<p>This unit standard is for aviation rescue fire fighters, and applies to aircraft that use the aerodrome.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> <li>– respond to aircraft fire and position appliance;</li> <li>– select strategy for external fire suppression;</li> <li>– fight aircraft fire externally; and</li> <li>– recommission appliance and complete documentation.</li> </ul>
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<b>Classification</b>	Fire and Rescue Services > Fire and Rescue Services - Airport
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<b>Available grade</b>	Achieved
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### Explanatory notes

- 1 Compliance with the fire and rescue service provider's Health and Safety policy and procedures and the Health and Safety at Work Act 2015 is mandatory.
- 2 Assessment against this unit standard may take place under real or practical simulated conditions, and must use scenarios that relate to the candidate's own organisation.
- 3 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 employer or host organisation.  
*TCA* – theoretical critical area.  
*PCA* – practical critical area.
- 4 Range
  - a This unit standard requires the operation of both monitor and hose, alone and in a crew;
  - b Monitor types may include but are not limited to – roof, bumper, hydraulic elevated turret;
  - c Environmental conditions – day, night, rain, wind, ice and snow, fog. Evidence of two is required;
  - d Types of aircraft fire – engine, auxiliary power unit, wheel brake, cargo, cabin, pressurised fuel, running fuel, fuel spill. Evidence of three is required.

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### Outcomes and evidence requirements

#### Outcome 1

Respond to aircraft fire and position appliance.

### **Evidence requirements**

- 1.1 Respond to the alerting system in accordance with aerodrome emergency plan.
- 1.2 Approach the incident site in accordance with the fire and rescue service provider's requirements.
- Range may include but is not limited to – upwind, uphill, regard for the safety of walking survivors, allowance for an escape route, debris trail, casualty awareness.
- 1.3 Analyse the aircraft fire, and implement approach strategies and tactics in accordance with the fire and rescue service provider's requirements.
- Range TCA, PCA, establishing rescue paths.
- 1.4 Position the appliance in accordance with the fire and rescue service provider's requirements.
- Range consideration of PCA, appliance equipment capabilities, environmental factors, dominant position, reposition.

### **Outcome 2**

Select strategy for external fire suppression.

### **Evidence requirements**

- 2.1 Select extinguishing agent according to fire type in accordance with the fire and rescue service provider's requirements.
- 2.2 Select application method to control the fire in accordance with the fire and rescue service provider's requirements.

### **Outcome 3**

Fight aircraft fire externally.

### **Evidence requirements**

- 3.1 Apply extinguishing agent in accordance with the fire and rescue service provider's requirements.
- 3.2 Create and maintain survivable conditions and protect exit paths in accordance with the fire and rescue service provider's requirements.
- Range foam blanket, isolating ignition sources, cooling hot metals.

3.3 Identify and mitigate potentially hazardous conditions in accordance with the fire and rescue service provider's requirements.

Range fuel leaks, presence of hazardous cargo, instability of airframe, aircraft material debris, man-made fibre composites, hydrocarbons.

3.4 Maintain extinguishing agent supplies to ensure site stability in accordance with the fire and rescue service provider's requirements.

#### Outcome 4

Recommission appliance and complete documentation.

#### Evidence requirements

4.1 Recommission the appliance in accordance with the fire and rescue service provider's requirements.

Range may include but is not limited to – equipment checks, foam, water, secondary agents, vehicle fuel.

4.2 Complete recommissioning documentation in accordance with the fire and rescue service provider's requirements.

<b>Replacement information</b>	This unit standard and unit standard 20390 replaced unit standard 3325.
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<b>Planned review date</b>	31 December 2021
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 March 2004	31 December 2013
Review	2	17 November 2011	31 December 2019
Review	3	16 June 2016	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0039
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This CMR 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, 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.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMRs). The CMR 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.

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### **Comments on this unit standard**

Please contact The Skills Organisation at [reviewcomments@skills.org.nz](mailto:reviewcomments@skills.org.nz) if you wish to suggest changes to the content of this unit standard.