

<b>Title</b>	<b>Demonstrate knowledge of personal safety and risk assessment at fire and other aerodrome emergency incidents</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	<p>People credited with this unit standard are able to demonstrate knowledge of:</p> <ul style="list-style-type: none"> <li>– potential hazards at fire and other aerodrome emergency incidents;</li> <li>– protection of personal safety at fire and other aerodrome emergency incidents; and</li> <li>– ongoing risk assessment at fire and other aerodrome emergency incidents.</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 Consistency 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 Definition  
*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.

**Outcomes and evidence requirements**

**Outcome 1**

Demonstrate knowledge of potential hazards at fire and other aerodrome emergency incidents.

**Evidence requirements**

- 1.1 Describe potentially hazardous components of aerodrome environments for fire and other aerodrome emergency incidents, in accordance with the fire and rescue service provider’s requirements.

Range may include but is not limited to – building structures, aircraft, ships, vehicles, vegetation fires, effect of terrain.

- 1.2 Describe hazardous substances by referring to their labelling systems, and explain their potential hazards for fire fighters at aerodrome, in accordance with the fire and rescue service provider's requirements.

Range may include but is not limited to – New Zealand class labels, United Nations number and class, Hazchem action guides, codes, Hazchem codes.

## Outcome 2

Demonstrate knowledge of protection of personal safety at fire and other aerodrome emergency incidents.

### Evidence requirements

- 2.1 Explain selection and use of personal protective equipment at various aerodrome incident types in accordance with the fire and rescue service provider's requirements.
- 2.2 Describe measures taken to protect against injury and over exposure to radiant heat in accordance with the fire and rescue service provider's requirements.
- 2.3 Describe signs and symptoms of metabolic overheating in accordance with the fire and rescue service provider's requirements.
- 2.4 Describe preventative measures taken to combat metabolic overheating in accordance with the fire and rescue service provider's requirements.
- Range before and/or during.
- 2.5 Describe measures taken to protect against smoke inhalation in accordance with the fire and rescue service provider's requirements.
- 2.6 Explain communication requirements on the aerodrome incident ground in accordance with the fire and rescue service provider's requirements.

## Outcome 3

Demonstrate knowledge of ongoing risk assessment at fire and other aerodrome emergency incidents.

### Evidence requirements

- 3.1 Describe the ongoing process of hazard identification in accordance with the fire and rescue service provider's requirements.
- Range may include but is not limited to – traffic, heat, electricity, smoke, environment, falling debris, weakened structures, people.
- 3.2 Assess risk presented by a hazard at an aerodrome fire or other emergency incident in accordance with the fire and rescue service provider's requirements.

3.3 Identify options to reduce the risk in accordance with the fire and rescue service provider's requirements.

Range eliminate, isolate, minimise.

3.4 Determine the acceptability of the risk in accordance with the fire and rescue service provider's requirements.

Range likelihood, consequence.

3.5 Describe how to communicate the assessed risk in accordance with the fire and rescue service provider's requirements.

<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	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.

#### 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.