

Title	Demonstrate knowledge of heavy aircraft for fire and rescue operations and carry out emergency shut down procedures		
Level	3	Credits	6

Purpose	<p>This unit standard is for fire fighters who will be involved in aircraft emergencies. It specifically applies to Airports at Category 6 or above.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> – demonstrate knowledge of heavy aircraft features that relate to fire and rescue operations; and – carry out emergency shut down procedures for heavy aircraft.
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Classification	Fire and Rescue Services > Fire and Rescue Services - Airport
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Available grade	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.
- 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.
Heavy aircraft refer to those at Airport Category 6 and above. A list of these aircraft can be found in the Civil Aviation Authority Advisory Circular 139-4, available at <http://www.caa.govt.nz>.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of heavy aircraft features that relate to fire and rescue operations.

Range three different types of heavy aircraft.

Evidence requirements

- 1.1 Identify and describe aircraft components in accordance with the fire and rescue service provider’s requirements.

Range engine types, fuselage, flight deck, fuel tanks, hydraulic systems, oxygen system, emergency slides and activating systems, fire protection or detection system.
- 1.2 Describe the location and operation of aircraft emergency exits, cargo compartment doors, and aircraft operating mechanisms in accordance with the fire and rescue service provider’s requirements.
- 1.3 Describe aircraft internal configurations in accordance with the fire and rescue service provider’s requirements.
- 1.4 Describe the location of break-in points and fire access panels in accordance with the fire and rescue service provider’s requirements.
- 1.5 Explain potential hazards from the control surfaces of heavy aircraft in accordance with the fire and rescue service provider’s requirements.

Range may include but is not limited to – ailerons, rudders, elevators, flaps.

Outcome 2

Carry out emergency shut down procedures for heavy aircraft.

Evidence requirements

- 2.1 Carry out aircraft emergency shut down procedures in accordance with the fire and rescue service provider’s requirements.

Range engines, auxiliary power units, batteries, fuel shutoffs.

Replacement information	This unit standard and unit standard 27287 replaced unit standard 3331
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Planned review date	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	17 June 2011	31 December 2019
Review	2	16 June 2016	N/A

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.