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| <b>Title</b> | <b>Carry out in-flight fire fighting procedures on board an aircraft</b> |                |          |
| <b>Level</b> | <b>4</b>   | <b>Credits</b> | <b>3</b> |

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| <b>Purpose</b> | People credited with this unit standard are, on board an aircraft, able to: demonstrate knowledge of fire suppression techniques and fire fighting equipment used; manage the extinguishment of fire; demonstrate awareness of the complications of a fire; and complete procedures following a fire. |
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| <b>Classification</b> | Aviation > Flight Attendants |
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| <b>Available grade</b> | Achieved |
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| <b>Prerequisites</b> | Unit 21844, <i>Demonstrate knowledge and use of aircraft safety and emergency equipment</i> , or demonstrate equivalent knowledge and skills. |
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## Guidance Information

### 1 Definitions

*Enterprise procedures* refer to the expected performance required by the enterprise in which credit for this unit standard is being sought. Such performance may be specified in enterprise procedures as indicated in manuals, guidelines, checklists, information bulletins, and Civil Aviation Authority of New Zealand (CAA) documentation.

*Fire classes* refers to the six categories of fire, broadly defined as fires involving (A) carbonaceous solids and clothing, (B) petroleum and polar solvents, (C) gas, (D) metal, (E) energised electrical materials, and (F) cooking oils and fats.

### 2 Evidence for this unit standard may be obtained in an aircraft and/or a fully operational cabin trainer suitable for all aspects of flight attendant training.

## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of fire suppression techniques on board an aircraft.

### Performance criteria

#### 1.1 Basic principles of fire suppression are identified in at least three given situations in terms of, cooling, smothering, and removal of fuel.

- 1.2 Techniques for suppressing fires on board an aircraft are identified and explained according to enterprise procedures.

## Outcome 2

Demonstrate knowledge of fire fighting equipment used on board an aircraft.

Range Halon 1211 bromochlorodifluoromethane (BCF) extinguishers, water, protective breathing equipment, crash axe, fire blankets, heat resistant gloves; may include – Halon 1301 bromotrifluoromethane fixed extinguishers.

### Performance criteria

- 2.1 Fire fighting equipment required for the type and class of fire is identified and selected in accordance with enterprise procedures.
- 2.2 Equipment is described in terms of its purpose, operation, and limitations on different fire classes.
- 2.3 Hazards and safety requirements when using equipment are identified and related to each item of equipment in accordance with enterprise procedures.

## Outcome 3

Manage the extinguishment of fire on board an aircraft.

### Performance criteria

- 3.1 Fire is assessed with due consideration of the risk to people and property, and the possible consequences of using an extinguisher within the confined space of an aircraft.
- Range fire size, fuel type.
- 3.2 Safety actions are taken in accordance with enterprise procedures and aircraft type.
- Range relocation of people in immediate danger, alerting others, notification of flight crew
- 3.3 Extinguishing medium is applied to the fire as required for the fire class and in accordance with enterprise procedures.
- 3.4 Cabin conditions are monitored and action taken to reduce discomfort to passengers in accordance with enterprise procedures.
- 3.5 Information is conveyed to flight crew to enable an informed decision to be made in accordance with enterprise procedures.

## Outcome 4

Demonstrate awareness of the complications of a fire on board an aircraft.

**Performance criteria**

- 4.1 Complications of fire on board an aircraft are described in terms of their impact on passengers and the aircraft.

Range complications may include but are not limited to – toxic gases, smoke inhalation, structural damage, inaccessible seat of fire location.

- 4.2 Methods for dealing with complications of fire are described according to enterprise procedures for the aircraft type.

**Outcome 5**

Complete procedures following a fire on board an aircraft.

**Performance criteria**

- 5.1 The source of the fire is identified, monitored and, if required, action is taken to continue extinguishing the fire, in accordance with enterprise procedures.

- 5.2 Reporting to flight crew is completed in accordance with enterprise procedures.

- 5.3 Documentation is completed in accordance with enterprise procedures.

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| <b>Replacement information</b> | This unit standard, unit standard 9244, unit standard 9245, unit standard 21844, unit standard 21846, unit standard 25454, and unit standard 25457 were replaced by skill standard 40434. |
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**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

**Status information and last date for assessment for superseded versions**

| Process               | Version | Date              | Last Date for Assessment |
|-----------------------|---------|-------------------|--------------------------|
| Registration          | 1       | 22 August 2005    | 31 December 2017         |
| Review                | 2       | 12 December 2008  | 31 December 2017         |
| Review                | 3       | 19 March 2015     | 31 December 2027         |
| Rollover and Revision | 4       | 30 September 2021 | 31 December 2027         |
| Review                | 5       | 28 November 2024  | 31 December 2027         |

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| <b>Consent and Moderation Requirements (CMR) reference</b> | 0028 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.