

<b>Title</b>	<b>Demonstrate knowledge of air law for commercial aircraft operations</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>8</b>

<b>Purpose</b>	People credited with this unit standard are, for commercial aircraft operations, able to: describe aviation legislation; state aviation definitions and abbreviations; demonstrate knowledge of personnel licensing and rating requirements; airworthiness of aircraft and aircraft equipment; general operating and flight rules; state air operations requirements; and demonstrate knowledge of flight planning and preparation requirements; Air Traffic Services; airspace, aerodromes, and heliports; and emergencies, incidents, and accidents.
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<b>Classification</b>	Aviation > Aircraft Operation
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 This unit standard is aligned with the relevant parts of the prescribed syllabi of the Civil Aviation Authority of New Zealand (CAA) for Subject No 16 for a commercial pilot licence. Credit will be awarded on meeting the requirements of the CAA-approved assessment or examination.
- 2 Commercial aircraft operations are those which are performed for hire or reward.
- 3 Definitions, abbreviations, and acronyms used in this unit standard are to be found in:
  - a *Civil Aviation Rules Part 1* on the CAA website at <https://www.caa.govt.nz>; and
  - b *Aeronautical Information Publication (AIP)* published by Aeronautical Information Management (AIM), PO Box 294, Wellington 6140 or on the AIM website at <http://www.aip.net.nz>.
- 4 Evidence presented for assessment against this unit standard must be in accordance with industry texts and standards.
- 5 The legislation referred to in this unit standard is the current version of: the Civil Aviation Act 2023 and supporting documents such as Civil Aviation Rules, Advisory Circulars, the Aeronautical Information Publication New Zealand, Aviation Information Circulars, and NOTAMs.
- 6 All references to the CAA refer specifically to the Civil Aviation Authority of New Zealand.
- 7 Industry standards and recommended practices are those set in place by the CAA.

- 8 Industry texts may include but are not limited to – aircraft flight manuals, CAA Rules, CAA Advisory Circulars, CAA Flight Test Standards Guides, operator exposition, New Zealand Defence Force (NZDF) Policy.
- 9 For the purpose of this unit standard, *knowledge* refers to the knowledge, understanding, and application of the subject matter.
- 10 Industry requirements are that the candidate must meet the eligibility requirements of the Civil Aviation Act 2023 and the Civil Aviation Rules Part 61 for a commercial pilot licence.
- 11 In accordance with the provisions of Civil Aviation Rule Part 61 for Pilot Licences and Ratings and the associated Advisory Circulars, the CAA accepts specific NZDF flight crew qualifications and associated flight experience towards a number of the prescribed eligibility requirements for the issue of a New Zealand pilot licence and associated ratings.

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## Outcomes and performance criteria

### Outcome 1

Describe aviation legislation for commercial aircraft operations.

#### Performance criteria

- 1.1 Aviation legislative requirements are described.

Range may include but is not limited to – requirements and responsibilities of a licence holder under the Civil Aviation Act 2023.

### Outcome 2

State aviation definitions and abbreviations for commercial aircraft operations.

#### Performance criteria

- 2.1 Definitions are stated.

Range definitions from – Civil Aviation Rules Part 1.

- 2.2 Meanings of abbreviations are stated.

Range abbreviations from – Civil Aviation Rules Part 1, AIP General.

### Outcome 3

Demonstrate knowledge of personnel licensing and rating requirements for commercial aircraft operations.

**Performance criteria**

- 3.1 Licences and ratings requirements are stated.
- 3.2 Eligibility, privileges, and limitations are described.
- 3.3 Competency, currency and recency requirements of a pilot-in-command are stated.
- 3.4 Medical requirements are stated.

**Outcome 4**

Demonstrate knowledge of airworthiness of aircraft and aircraft equipment for commercial aircraft operations.

**Performance criteria**

- 4.1 Documentation which must be carried in aircraft is stated.
- 4.2 Aircraft maintenance requirements are described.
  - Range includes but is not limited to – aircraft operator, pilot maintenance, maintenance records.
- 4.3 Instruments and avionics requirements are stated.
- 4.4 Equipment requirements are stated.
  - Range may include but is not limited to – night VFR flight, flight over water.

**Outcome 5**

Demonstrate knowledge of general operating and flight rules for commercial aircraft operations.

**Performance criteria**

- 5.1 General operating requirements are described and explained.
- 5.2 General operating restrictions are stated and explained.
- 5.3 General meteorological requirements and restrictions are stated.

**Outcome 6**

State air operations requirements for commercial aircraft operations.

**Performance criteria**

- 6.1 Air operations crew requirements are stated.
- 6.2 Air operations requirements and restrictions are stated.
- 6.3 Air operations meteorological requirements and restrictions are stated.
- 6.4 Air operations performance requirements are stated.

**Outcome 7**

Demonstrate knowledge of flight planning and preparation requirements for commercial aircraft operations.

**Performance criteria**

- 7.1 Flight preparation requirements are described and explained.
- 7.2 Fuel requirements are stated.
- 7.3 Flight plan requirements are stated.
- 7.4 Enroute limitations are stated.

**Outcome 8**

Demonstrate knowledge of Air Traffic Services for commercial aircraft operations.

**Performance criteria**

- 8.1 Communications requirements are derived from operational publications, and their purpose is explained.  
  
Range        may include but is not limited to – callsigns, position reports, VFR position report, UNICOM, AFRU, AWIB.
- 8.2 Clearance requirements are stated.  
  
Range        may include but is not limited to – compliance, coordination, requirements for entering various types of airspace, requirements for ATC clearance before entering controlled airspace.
- 8.3 Separation methods and situations are described.  
  
Range        includes but is not limited to – use of clock code to pass traffic information, ATS responsibilities to ensure separation, pilot-in-command's responsibility to ensure separation.
- 8.4 Radar services are described.

8.5 Global navigation satellite system equipment requirements are stated.

Range includes but is not limited to – actions required if system is degraded.

## Outcome 9

Demonstrate knowledge of airspace, aerodromes, and heliports for commercial aircraft operations.

### Performance criteria

9.1 Altimetry is explained.

Ranges includes but is not limited to – setting requirements under VFR, setting when QNH is not available prior to take-off, QNH zones; transition altitude, layer, level.

9.2 Cruising levels are stated and described.

9.3 Transponders and their requirements for operation are stated.

9.4 Airspace is described.

Range may include but is not limited to – control zones, control areas, restricted areas.

9.5 Aerodromes and heliports are described.

Range may include but is not limited to – limitations on use, movement area, ground signals.

9.6 Carriage of dangerous goods is described.

Range definitions and restrictions.

## Outcome 10

Demonstrate knowledge of emergencies, incidents, and accidents for commercial aircraft operations.

### Performance criteria

10.1 Responsibilities of operators and pilots in the case of an emergency, incident and accident are stated.

10.2 Communications and equipment used in the case of an emergency, incident and accident are described.

Range includes but is not limited to – transponder codes.

<b>Replacement information</b>	This unit standard replaced unit standard 15355.
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<b>Planned review date</b>	31 December 2028
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	18 June 2010	31 December 2018
Revision	2	18 February 2011	31 December 2018
Review	3	20 October 2016	31 December 2027
Review	4	28 September 2023	31 December 2027
Review	5	29 May 2025	N/A

<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>.

**Comments on this unit standard**

Please contact Ringa Hora Services Workforce Development Council [qualifications@ringahora.nz](mailto:qualifications@ringahora.nz) if you wish to suggest changes to the content of this unit standard.