

Title	Demonstrate knowledge of air law for commercial aircraft operations		
Level	5	Credits	8

Purpose	People credited with this unit standard are, in accordance with Subject No 16, for commercial aircraft operations, able to demonstrate knowledge of: aviation legislation; aviation definitions and abbreviations; personnel licensing and rating requirements; airworthiness of aircraft and aircraft equipment; general operating and flight rules; air operations requirements; flight planning and preparation; Air Traffic Services; airspace, aerodromes, and heliports; and emergencies, incidents, and accidents.
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Classification	Aviation > Aircraft Operation
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Available grade	Achieved
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Entry information	
Recommended skills and knowledge	Industry requirements are that the candidate must meet the eligibility requirements of the Civil Aviation Act 1990 and the Civil Aviation Rules Part 61 for a commercial pilot licence.

Explanatory notes

- 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 The legislation referred to in this unit standard is the current version of: the Civil Aviation Act 1990 and supporting documents such as Civil Aviation Rules, Advisory Circulars, the Aeronautical Information Publication New Zealand, Aviation Information Circulars, and NOTAMs.

- 5 All references to the CAA refer specifically to the Civil Aviation Authority of New Zealand.
- 6 Industry standards and recommended practices are those set in place by the CAA.
- 7 Industry texts may include but are not limited to – aircraft flight manuals, CAA Rules, CAA Advisory Circulars, CAA Flight Test Standards Guides, operator exposition.
- 8 For the purpose of this unit standard, *knowledge* refers to the knowledge, understanding, and application of the subject matter.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of aviation legislation in accordance with Subject No 16.

Evidence requirements

- 1.1 Aviation legislative requirements are described in accordance with industry texts and standards.

Range may include but is not limited to – requirements and responsibilities of a licence holder under the Civil Aviation Act 1990.

Outcome 2

Demonstrate knowledge of aviation definitions and abbreviations in accordance with Subject No. 16.

Evidence requirements

- 2.1 Definitions are stated in accordance with industry texts and standards.

Range definitions from – Civil Aviation Rules Part 1.
- 2.2 Meanings of abbreviations are stated in accordance with industry texts and standards.

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

Outcome 3

Demonstrate knowledge of personnel licensing and rating requirements in accordance with Subject No 16.

Evidence requirements

- 3.1 Licences and ratings requirements are stated in accordance with industry texts and standards.

- 3.2 Eligibility, privileges, and limitations are described in accordance with industry texts and standards.
- 3.3 Competency, currency and recency requirements of a pilot-in-command are stated in accordance with industry texts and standards.
- 3.4 Medical requirements are stated in accordance with industry texts and standards.

Outcome 4

Demonstrate knowledge of airworthiness of aircraft and aircraft equipment in accordance with Subject No 16.

Evidence requirements

- 4.1 Documentation which must be carried in aircraft is stated in accordance with industry texts and standards.
- 4.2 Aircraft maintenance requirements are described in accordance with industry texts and standards.

Range includes but is not limited to – aircraft operator, pilot maintenance, maintenance records.
- 4.3 Instruments and avionics requirements are stated in accordance with industry texts and standards.
- 4.4 Equipment requirements are stated in accordance with industry texts and standards.

Range may include but is not limited to – night VFR flight, flight over water.

Outcome 5

Demonstrate knowledge of general operating and flight rules in accordance with Subject No 16.

Evidence requirements

- 5.1 General operating requirements are described and explained in accordance with industry texts and standards.
- 5.2 General operating restrictions are stated and explained in accordance with industry texts and standards.
- 5.3 General meteorological requirements and restrictions are stated in accordance with industry texts and standards.

Outcome 6

Demonstrate knowledge of air operations requirements in accordance with Subject No 16.

Evidence requirements

- 6.1 Air operations crew requirements are stated in accordance with industry texts and standards.
- 6.2 Air operations requirements and restrictions are stated in accordance with industry texts and standards.
- 6.3 Air operations meteorological requirements and restrictions are stated in accordance with industry texts and standards.
- 6.4 Air operations performance requirements are stated in accordance with industry texts and standards.

Outcome 7

Demonstrate knowledge of flight planning and preparation requirements in accordance with Subject No 16.

Evidence requirements

- 7.1 Flight preparation requirements are described and explained in accordance with industry texts and standards.
- 7.2 Fuel requirements are stated in accordance with industry texts and standards.
- 7.3 Flight plan requirements are stated in accordance with industry texts and standards.
- 7.4 Enroute limitations are stated in accordance with industry texts and standards.

Outcome 8

Demonstrate knowledge of Air Traffic Services in accordance with Subject No 16.

Evidence requirements

- 8.1 Communications requirements are derived from operational publications, and their purpose is explained, in accordance with industry texts and standards.

Range may include but is not limited – callsigns, position reports, VFR position report, UNICOM, AFRU, AWIB.

- 8.2 Clearance requirements are stated in accordance with industry texts and standards.
- 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 in accordance with industry texts and standards.
- 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 in accordance with industry texts and standards.
- 8.5 Global navigation satellite system equipment requirements are stated in accordance with industry texts and standards.
- Range includes but is not limited to – actions required if system is degraded.

Outcome 9

Demonstrate knowledge of airspace, aerodromes, and heliports in accordance with Subject No 16.

Evidence requirement

- 9.1 Altimetry is explained in accordance with industry texts and standards.
- 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 in accordance with industry texts and standards.
- 9.3 Transponders and their requirements for operation are stated in accordance with industry texts and standards.
- 9.4 Airspace is described in accordance with industry texts and standards.
- Range may include but is not limited to – control zones, control areas, restricted areas.
- 9.5 Aerodromes and heliports are described in accordance with industry texts and standards.
- Range may include but is not limited to – limitations on use, movement area, ground signals.

9.6 Carriage of dangerous goods is described in accordance with industry texts and standards.

Range definitions and restrictions.

Outcome 10

Demonstrate knowledge of emergencies, incidents, and accidents in accordance with Subject No 16.

Evidence requirement

10.1 Responsibilities of operators and pilots in the case of an emergency, incident and accident are stated in accordance with industry texts and standards.

10.2 Communications and equipment used in the case of an emergency, incident and accident are described in accordance with industry texts and standards.

Range includes but is not limited to – transponder codes.

Replacement information	This unit standard replaced unit standard 15355.
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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	18 June 2010	31 December 2018
Revision	2	18 February 2011	31 December 2018
Review	3	20 October 2016	N/A

Consent and Moderation Requirements (CMR) reference	0169
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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 (CMR). 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 ServiceIQ qualifications@serviceiq.org.nz if you wish to suggest changes to the content of this unit standard.