

Title	Demonstrate knowledge of air operations for commercial operations in small aircraft and helicopters		
Level	5	Credits	8

Purpose	People credited with this unit standard are able to demonstrate knowledge of air operations requirements for small aeroplanes and helicopters.
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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 Rule Part 61 for a commercial pilot licence.

Explanatory notes

- 1 The air operations requirements covered by this unit standard must be demonstrated in accordance with the Civil Aviation Rules Part 135 and other relevant rules, published by the Civil Aviation Authority of New Zealand, PO Box 3555, Wellington 6140, and their subsequent amendments.
- 2 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>.
- 3 All references to the CAA refer specifically to the Civil Aviation Authority of New Zealand.
- 4 Industry standards and recommended practices are those set in place by the CAA.
- 5 Industry texts may include but are not limited to – aircraft flight manuals, CAA Rules, CAA Advisory Circulars, CAA Flight Test Standards Guides, operator exposition.
- 6 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 air operations requirements for small aeroplanes and helicopters.

Evidence requirements

- 1.1 Flight operations are described in accordance with industry texts and standards.
- Range includes but is not limited to – aircraft airworthiness, flight preparation and planning, manipulation of controls, use of aerodromes, flights over water.
- 1.2 Operating limitations and weather requirements are described in accordance with industry texts and standards.
- Range includes but is not limited to – meteorological information, meteorological conditions, reduced take-off minima.
- 1.3 Aircraft performance is described in accordance with industry texts and standards.
- Range includes but is not limited to – general performance, take-off distance, engine inoperative, landing distance.
- 1.4 Aircraft weight and balance are described in accordance with industry texts and standards.
- Range includes but is not limited to – aircraft load limitations.
- 1.5 Instruments and equipment are described in accordance with industry texts and standards.
- Range includes but is not limited to – seating and restraints, night flight, IFR, emergency equipment.
- 1.6 Maintenance requirements for small aeroplanes and helicopters are described in accordance with industry texts and standards.
- Range includes but is not limited to – responsibility for airworthiness, maintenance organisation, persons certifying maintenance, maintenance review.
- 1.7 Crew requirements are described in accordance with industry texts and standards.

1.8 Establishment and operation of a training programme for crew members are described in accordance with industry texts and standards.

Range includes but is not limited to – training records; initial training, transition training, recurrent training.

1.9 Crew member competency requirements are described in accordance with industry texts and standards.

1.10 Requirements to mitigate the fatigue of flight crew are described in accordance with industry texts and standards.

Range includes but is not limited to – operator responsibilities; flight crew responsibilities.

1.11 The use and retention of manuals, logs, and records are described in accordance with industry texts and standards.

Range includes but is not limited to – documents to be carried, daily flight record, retention period.

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
Review	2	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.