

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 for commercial operations in small aircraft and helicopters.
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Classification	Aviation > Aircraft Operation
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Available grade	Achieved
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Guidance Information

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

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of air operations for commercial operations in small aircraft and helicopters.

Performance criteria

1.1 Flight operations are interpreted and described.

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 interpreted and described.

Range includes but is not limited to – meteorological information, meteorological conditions, reduced take-off minima.

1.3 Aircraft performance is interpreted and described.

Range includes but is not limited to – general performance, take-off distance, engine inoperative, landing distance.

1.4 Aircraft weight and balance are described.

Range includes but is not limited to – aircraft load limitations.

1.5 Instruments and equipment are described.

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 interpreted and described.

Range includes but is not limited to – responsibility for airworthiness, maintenance organisation, persons certifying maintenance, maintenance review.

1.7 Crew requirements are identified and described.

1.8 Establishment and operation of a training programme for crew members are described.

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

1.9 Crew member competency requirements are identified and described.

1.10 Requirements to mitigate the fatigue of flight crew are described.

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.

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

Planned review date	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
Review	2	20 October 2016	31 December 2027
Review	3	28 September 2023	N/A

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