

Title	Fly a helicopter for frost protection operations		
Level	5	Credits	6

Purpose	People credited with this unit standard are able to: demonstrate knowledge of CAA Rules relevant to night-flying operations for frost protection; plan low level helicopter night-flying operations for frost protection; and demonstrate low level helicopter night-flying operations for frost protection.
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Classification	Aviation > Aircraft Operation
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Available grade	Achieved
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Guidance Information

- 1 The flying covered by this unit standard must be demonstrated in accordance with the Civil Aviation Rules Parts 91, 133, 135 and 137, and other relevant rules, published by the Civil Aviation Authority of New Zealand (CAA), PO Box 3555, Wellington 6140, available at <http://www.caa.govt.nz/rules/rules.htm>, and their subsequent amendments.
- 2 This unit standard is aligned with the relevant parts of the prescribed syllabi of the CAA for a commercial pilot licence (helicopter).
- 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 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 purposes of this unit standard consultation may be simulated.

- 9 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 (helicopter).

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of CAA Rules relevant to night-flying operations for frost protection.

Performance criteria

- 1.1 CAA rules are explained and interpreted.

Range CAA Rules include but are not limited to – Part 133, Part 135, Part 137.

Outcome 2

Plan low level helicopter night-flying operations for frost protection.

Performance criteria

- 2.1 The site is reconnoitred by day to identify all hazards.

Range hazards include but are not limited to – buildings and other structures, wires, trees, steep ground.

- 2.2 Pre-flight consultation is completed.

Range may include but is not limited to – requirements of employer, communications with staff on the ground, identification of areas at risk of frost.

- 2.3 The height of the inversion layer is determined by means of an outside air temperature gauge.

- 2.4 The correct height and power setting for operations are determined in terms of all up weight and the height of the inversion layer.

Outcome 3

Demonstrate low level helicopter night-flying operations for frost protection.

Performance criteria

- 3.1 Low level night flying for frost protection is demonstrated.

Range includes but is not limited to – situational awareness, appropriate height, appropriate power setting.

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	15 March 2012	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.