

Title	Demonstrate flying skills for a private pilot licence (rotary)		
Level	4	Credits	10

Purpose	People credited with this unit standard are, for a private pilot's licence (rotary), able to demonstrate: general knowledge for a flight test; pre-flight checks and procedures; take-off procedures; in-flight competence; emergency flying procedures; landing procedures; join and circuiting procedures; and post-flight procedures.
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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 private pilot licence.

Explanatory notes

- 1 The test flight covered by this unit standard is to be demonstrated in accordance with the Civil Aviation Rules Part 61 and 91, and other relevant rules, published by the Civil Aviation Authority of New Zealand (CAA), PO Box 3555, Wellington 6140, and their subsequent amendments.
- 2 This unit standard is aligned with the relevant parts of the prescribed syllabi of the CAA, for a private pilot licence. Credit will be awarded on meeting the requirements of the CAA approved assessment or examination.
- 3 *Confined area* refers to an area with a diameter equal to three times the helicopter length.
- 4 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>.
- 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 – helicopter flight manuals, CAA Rules, CAA Advisory Circulars, NZCAA Flight Test Standard Guides, operator exposition.

Outcomes and evidence requirements

Outcome 1

Demonstrate general knowledge for a helicopter flight test.

Evidence requirements

- 1.1 Aircraft documents are described in accordance with industry texts and standards.
- 1.2 Helicopter performance and operating requirements are described in accordance with the helicopter flight manual and industry standards.
- 1.3 Fuel requirements and management are described in accordance with the helicopter flight manual and industry standards.
- 1.4 Helicopter loading is described in accordance with the helicopter flight manual and industry standards.
- 1.5 Location, use, and operation of emergency equipment are described in accordance with the helicopter flight manual and industry standards.
- 1.6 Emergency procedures and hazard avoidance are described in accordance with the helicopter flight manual and industry standards.
- 1.7 Weather data, NOTAMs, and AIPNZ supplements are obtained and correctly interpreted in accordance with industry texts and standards.
- 1.8 Licence privileges are described in accordance with industry texts and standards.

Outcome 2

Demonstrate pre-flight checks and procedures for a helicopter.

Evidence requirements

- 2.1 Pre-flight checks are demonstrated in accordance with industry texts and standards.
- 2.2 Engine start, warm-up, clutch engagement, and run-up procedures are demonstrated in accordance with the helicopter flight manual and industry standards.
- 2.3 Air traffic service procedure is demonstrated in accordance with AIPNZ and CAA rules.

- 2.4 Pre-lift-off checks are demonstrated in accordance with the helicopter flight manual and industry standards.

Outcome 3

Demonstrate helicopter take-off procedures.

Evidence requirements

- 3.1 Lift-off to hover is demonstrated in accordance with the helicopter flight manual and industry standards.
- 3.2 Hover taxiing is demonstrated in accordance with the helicopter flight manual and industry standards.
- 3.3 Constant heading pattern is demonstrated in accordance with the helicopter flight manual and industry standards.
- 3.4 Hover turns are demonstrated in accordance with helicopter flight manual and industry standards.
- 3.5 Normal take-off is demonstrated in accordance with the helicopter flight manual and industry standards.
- 3.6 Crosswind take-off is demonstrated in accordance with the helicopter flight manual and industry standards.
- 3.7 Limited power (cushion creep) take-off is demonstrated in accordance with the helicopter flight manual and industry standards.
- 3.8 Limited power (running) take-off is demonstrated in accordance with the helicopter flight manual and industry standards.
- 3.9 Towering take-off is demonstrated in accordance with the helicopter flight manual and industry standards.

Outcome 4

Demonstrate in-flight competence.

Evidence requirements

- 4.1 Climbing of the helicopter is demonstrated in accordance with the helicopter flight manual and industry standards.
- 4.2 Straight and level flying of the helicopter is demonstrated in accordance with the helicopter flight manual and industry standards.
- 4.3 Medium turns are demonstrated in accordance with the helicopter flight manual and industry standards.

- 4.4 Steep turns are demonstrated in accordance with the helicopter flight manual and industry standards.
- 4.5 Magnetic compass headings are demonstrated in accordance with the helicopter flight manual and industry standards.
- 4.6 Quick stops are demonstrated in accordance with the helicopter flight manual and industry standards.
- 4.7 Low flying is demonstrated in accordance with the helicopter flight manual and industry standards.
- 4.8 Mountainous terrain awareness is demonstrated in accordance with the helicopter flight manual and industry standards.
- 4.9 Slope operations are demonstrated in accordance with the helicopter flight manual and industry standards.
- 4.10 Confined area operations are demonstrated in accordance with the helicopter flight manual and industry standards.
- 4.11 Descent of the helicopter is demonstrated in accordance with the helicopter flight manual and industry standards.
- 4.12 Radiotelephony tuning and procedures are demonstrated in accordance with industry texts and standards.
- 4.13 Look-out and general airmanship are demonstrated in accordance with industry texts and standards.

Outcome 5

Demonstrate emergency flying procedures.

Evidence requirements

- 5.1 Straight-in autorotation is demonstrated in accordance with the helicopter flight manual and industry standards.
- 5.2 180 degree rotation is demonstrated in accordance with the helicopter flight manual and industry standards.
- 5.3 Engine failure in the hover is demonstrated in accordance with the helicopter flight manual and industry standards.
- 5.4 Emergency procedures and hazard avoidance are demonstrated in accordance with the helicopter flight manual and industry standards.

Outcome 6

Demonstrate landing procedures.

Evidence requirements

- 6.1 Limited power (running) landing is demonstrated in accordance with the helicopter flight manual and industry standards.
- 6.2 Zero speed landing is demonstrated in accordance with the helicopter flight manual and industry standards.
- 6.3 Steep approach is demonstrated in accordance with the helicopter flight manual and industry standards.

Outcome 7

Demonstrate join and circuiting procedures.

Evidence requirements

- 7.1 Joining the circuit is demonstrated in accordance with the helicopter flight manual and industry standards.
- 7.2 Normal circuit, approach, and landing are demonstrated in accordance with the helicopter flight manual and industry standards.
- 7.3 Go-round is demonstrated in accordance with the helicopter flight manual and industry standards.

Outcome 8

Demonstrate post-flight procedures.

Evidence requirements

- 8.1 Post-flight procedures are demonstrated in accordance with the helicopter flight manual and industry standards.

Range may include but is not limited to – engine shut down, secure helicopter, complete documentation, terminate flight plan, terminate SAR watch.

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	26 March 2007	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.