

<b>Title</b>	<b>Demonstrate flying skills to enable first solo flight</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate: pre-flight checks and procedures; aircraft ground manoeuvring and take-off procedures; in-flight competence under supervision of an instructor; and circuiting procedures prior to a first solo flight.
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<b>Classification</b>	Aviation > Aircraft Operation
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 The solo 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 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 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, NZCAA Flight Test Standard Guides, operator exposition.
- 7 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.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate pre-flight checks and procedures.

#### Performance criteria

- 1.1 Pre-flight checks are demonstrated in accordance with industry texts and standards.  
  
Range      fuel requirements, aircraft inspection, emergency equipment.
- 1.2 Engine start, warm-up, and run-up procedures are demonstrated in accordance with the aircraft flight manual and industry standards.
- 1.3 Air traffic service procedure is demonstrated in accordance with AIPNZ and CAA rules.
- 1.4 Pre-take-off checks are demonstrated in accordance with the aircraft flight manual and industry standards.

### Outcome 2

Demonstrate aircraft ground manoeuvring and take-off procedures.

#### Performance criteria

- 2.1 Taxiing is demonstrated in accordance with the aircraft flight manual and industry standards.
- 2.2 Normal take-off is demonstrated in accordance with the aircraft flight manual and industry standards.
- 2.3 Engine failure techniques are demonstrated in accordance with the aircraft flight manual and industry standards.  
  
Range      may include but is not limited to – abandoned take-off, during take-off, after take-off; helicopter autorotation.

### Outcome 3

Demonstrate in-flight competence under supervision of an instructor.

#### Performance criteria

- 3.1 Climbing of the aircraft is demonstrated in accordance with the aircraft flight manual and industry standards.
- 3.2 Straight and level flying of the aircraft is demonstrated in accordance with the aircraft flight manual and industry standards.

- 3.3 Medium, climbing, and descending turns are demonstrated in accordance with the aircraft flight manual and industry standards.
- 3.4 Descent of the aircraft is demonstrated in accordance with the aircraft flight manual and industry standards.
- 3.5 Stall recognition and recovery are demonstrated in accordance with the aircraft flight manual and industry standards.
- 3.6 Flap usage and sideslipping, as applicable, are demonstrated in accordance with the aircraft flight manual and industry standards.
- 3.7 Radiotelephony tuning and procedures are demonstrated in accordance with industry texts and standards.
- 3.8 Look-out and general airmanship are demonstrated in accordance with industry texts and standards.

#### Outcome 4

Demonstrate circuiting procedures prior to a first solo flight.

#### Performance criteria

- 4.1 Circuiting is demonstrated in accordance with industry texts and standards.
- 4.2 Normal approach and landing are demonstrated in accordance with the aircraft flight manual and industry standards.
- 4.3 Flapless landing, as applicable, is demonstrated in accordance with the aircraft flight manual and industry standards.
- 4.4 Go-around procedures are demonstrated in accordance with the aircraft flight manual and industry standards.

<b>Planned review date</b>	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	26 March 2007	31 December 2018
Review	2	20 October 2016	31 December 2027
Review	3	28 September 2023	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0028
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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**Comments on this unit standard**

Please contact Ringa Hora Services Workforce Development Council  
[qualifications@ringahora.nz](mailto:qualifications@ringahora.nz) if you wish to suggest changes to the content of this unit standard.