

<b>Title</b>	<b>Demonstrate flying skills for a private pilot licence (aeroplane)</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

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

<b>Classification</b>	Aviation > Aircraft Operation
-----------------------	-------------------------------

<b>Available grade</b>	Achieved
------------------------	----------

<b>Entry information</b>	
<b>Recommended skills and knowledge</b>	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 Parts 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.

---

## Outcomes and evidence requirements

### Outcome 1

Demonstrate general knowledge for an aeroplane flight test.

#### Evidence requirements

- 1.1 Aircraft documents are described in accordance with industry texts and standards.
- 1.2 Aircraft performance and operating requirements are described in accordance with the aircraft flight manual and industry standards.
- 1.3 Fuel requirements and management are described in accordance with the aircraft flight manual and industry standards.
- 1.4 Aircraft loading is described in accordance with the aircraft flight manual and industry standards.
- 1.5 Location, use, and operation of emergency equipment are described in accordance with the aircraft flight manual and industry standards.
- 1.6 Emergency procedures and hazard avoidance are described in accordance with the aircraft 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 aeroplanes.

#### Evidence requirements

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

- 2.5 Pre-take-off checks are demonstrated in accordance with the aircraft flight manual and industry standards.

### **Outcome 3**

Demonstrate aeroplane take-off procedures.

#### **Evidence requirements**

- 3.1 Normal take-off is demonstrated in accordance with the aircraft flight manual and industry standards.
- 3.2 Crosswind take-off is demonstrated in accordance with the aircraft flight manual and industry standards.
- 3.3 Maximum performance take-off is demonstrated in accordance with the aircraft flight manual and industry standards.
- 3.4 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.

### **Outcome 4**

Demonstrate in-flight competence.

#### **Evidence requirements**

- 4.1 Climbing of the aircraft is demonstrated in accordance with the aircraft flight manual and industry standards.
- 4.2 Straight and level flying of the aircraft is demonstrated in accordance with the aircraft flight manual and industry standards.
- 4.3 Medium, climbing, and descending turns are demonstrated in accordance with the aircraft flight manual and industry standards.
- 4.4 Descent of the aircraft is demonstrated in accordance with the aircraft flight manual and industry standards.
- 4.5 Stalls in basic and power-on configurations are demonstrated in accordance with the aircraft flight manual and industry standards.
- 4.6 Wing drop stall is demonstrated in accordance with the aircraft flight manual and industry standards.
- 4.7 Magnetic compass headings are demonstrated in accordance with the aircraft flight manual and industry standards.

- 4.8 Steep turns are demonstrated in accordance with the aircraft flight manual and industry standards.
- 4.9 Flap usage and sideslipping, as applicable, are demonstrated in accordance with the aircraft flight manual and industry standards.
- 4.10 Low flying in simulated poor visibility is demonstrated in accordance with the aircraft flight manual and industry standards.
- 4.11 Radiotelephony tuning and procedures are demonstrated in accordance with industry texts and standards.
- 4.12 Look-out and general airmanship are demonstrated in accordance with industry texts and standards.

### **Outcome 5**

Demonstrate emergency flying procedures.

#### **Evidence requirements**

- 5.1 Forced landings with power are demonstrated in accordance with the aircraft flight manual and industry standards.
- 5.2 Forced landings without power are demonstrated in accordance with the aircraft flight manual and industry standards.

### **Outcome 6**

Demonstrate rejoin, circuiting, and landing procedures.

#### **Evidence requirements**

- 6.1 Rejoining and circuiting is demonstrated in accordance with the aircraft flight manual and industry standards.
- 6.2 Normal approach and landing are demonstrated in accordance with the aircraft flight manual and industry standards.
- 6.3 Flapless landing is demonstrated in accordance with the aircraft flight manual and industry standards.
- 6.4 Cross-wind landing is demonstrated in accordance with the aircraft flight manual and industry standards.
- 6.5 Operation into minimum length field is demonstrated in accordance with the aircraft flight manual and industry standards.
- 6.6 Recovery from missed approach from below 50 feet is demonstrated in accordance with the aircraft flight manual and industry standards.

**Outcome 7**

Demonstrate post-flight procedures.

**Evidence requirements**

7.1 Post-flight procedures are demonstrated in accordance with the aircraft flight manual and industry standards.

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

<b>Planned review date</b>	31 December 2021
----------------------------	------------------

**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

<b>Consent and Moderation Requirements (CMR) reference</b>	0169
--	------

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](mailto:qualifications@serviceiq.org.nz) if you wish to suggest changes to the content of this unit standard.