

<b>Title</b>	<b>Fly a glider to gain a Gliding New Zealand Solo Pilot certificate</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>8</b>

<b>Purpose</b>	People credited with this unit standard are, to Gliding New Zealand Solo Pilot standards, able to demonstrate: self-preparation checks and procedures, aircraft handling in flight, circuiting and landing procedures, minimum speed and unusual attitude competence under supervision of an instructor, and launch procedures. They are also able to complete the Gliding New Zealand Solo Pilot certificate requirements.
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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 This unit standard is aligned with the relevant parts of the prescribed syllabi of the Solo Pilot certificate. Credit will be awarded upon meeting the requirements of the Gliding New Zealand approved assessment or examination.
- 2 Industry standards and recommended practices are those set in place by Gliding New Zealand, and any other procedure relating to this aspect which is detailed in the Clubs Standard Operating Procedure available at <https://gliding.co.nz/>.
- 3 Evidence presented for assessment against this unit standard must be in accordance with industry texts and standards.
- 4 Industry requirements are that the candidate must meet the requirements laid down by Gliding New Zealand.
- 5 All references to the Civil Aviation Authority (CAA) refer specifically to the New Zealand Civil Aviation Authority <https://www.aviation.govt.nz/>.
- 6 Industry texts may include but are not limited to – aircraft flight manuals, Gliding New Zealand Manual of Approved Procedures, Gliding New Zealand Flight Training Programme, CAA Rules, operator exposition.
- 7 Standards include but not limited to – Gliding New Zealand Solo Pilot standards.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate self-preparation checks and procedures.

**Performance criteria**

- 1.1 Pre-flight checks are demonstrated.
- Range may include but is not limited to – glider familiarisation, fitness for flight, launch point procedures.
- 1.2 Local area familiarisation and orientation are demonstrated.
- Range may include but is not limited to – airfield and safety rules.
- 1.3 Glider ground handling and retrieving are demonstrated.

**Outcome 2**

Demonstrate aircraft handling in flight.

**Performance criteria**

- 2.1 Handing and/or taking over control is demonstrated.
- 2.2 Effects of the controls are demonstrated.
- Range primary, secondary, trim, airbrakes.
- 2.3 Compliance with cockpit checklists is demonstrated.
- 2.4 Straight flight, and the use of trimmer are demonstrated.
- 2.5 Coordinated 90 degree turn with 30° angle of bank (AoB) is demonstrated.
- 2.6 Lookout, scanning, and collision avoidance are demonstrated.

**Outcome 3**

Demonstrate circuiting and landing procedures.

**Performance criteria**

- 3.1 Joining the circuit is demonstrated.
- Range may include but is not limited to – standard pattern, approach control, aim point, round out, landing; circuit too close in, circuit too far out, circuit started too high, running out of height.
- 3.2 No-instrument flight and landing are demonstrated.
- 3.3 Bounce recovery is demonstrated.
- 3.4 Baulked approach is demonstrated.

**Outcome 4**

Demonstrate minimum speed and unusual attitude competence under supervision of an instructor.

**Performance criteria**

4.1 Safe speed near the ground is demonstrated.

4.2 Stall conditions are demonstrated.

Range recognition and recovery, avoidance, with brakes out, in a turn, wings level.

4.3 Wing drop stall and recovery are demonstrated.

4.4 Full spin and recovery are experienced under close supervision.

4.5 Spiral dive and recovery are demonstrated.

**Outcome 5**

Demonstrate launch procedures.

**Performance criteria**

5.1 Launch procedures are demonstrated.

Range may include but is not limited to – launch signals, launch failures; winch, aero-tow.

**Outcome 6**

Complete the Gliding New Zealand Solo Pilot requirements.

**Performance criteria**

6.1 Solo flight is conducted.

<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	19 November 2010	31 December 2018
Review	2	20 October 2016	31 December 2019
Review	3	30 August 2018	31 December 2025
Review	4	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.