

<b>Title</b>	<b>Fly a glider to achieve a Gliding New Zealand A certificate (solo flight)</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 Category A standard, able to: demonstrate pre-flight checks and procedures; operate glider controls in flight; demonstrate situational awareness; demonstrate in-flight competence under supervision of an instructor; demonstrate non-normal situations under supervision of an instructor; demonstrate circuiting procedures prior to a first solo flight; and complete the Gliding New Zealand A 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 Qualified Glider Pilot (QGP) 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.
- 3 Industry requirements are that the candidate must meet the requirements laid down by Gliding New Zealand.
- 4 All references to the Civil Aviation Authority (CAA) refer specifically to the New Zealand Civil Aviation Authority.
- 5 Industry texts may include but are not limited to – aircraft flight manuals, Gliding New Zealand Manual of Approved Procedures, CAA Rules, operator exposition.
- 6 Definitions  
*Eventualities* refer to any *potential* emergency situation that may occur, or anything that may distract the pilot's attention.  
*Non-normal situations* refer to emergency procedures that may be encountered during a flight.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate pre-flight checks and procedures to Gliding New Zealand Category A standard.

#### Performance criteria

1.1 Pre-flight checks are demonstrated in accordance with industry texts and standards.

Range glider familiarisation, fitness for flight, strapping in and comfort.

1.2 Local area familiarisation and orientation is demonstrated in accordance with industry texts and standards.

1.3 Pre-take-off checks are demonstrated in accordance with industry texts and standards.

Range controls, ballast, straps, instruments, flaps, trim, canopy, brakes, eventualities.

### Outcome 2

Operate glider controls in flight to Gliding New Zealand Category A standard.

#### Performance criteria

2.1 Handing/taking over control is demonstrated in accordance with industry texts and standards.

2.2 Effects of the controls are demonstrated in accordance with industry texts and standards.

Range primary, secondary, trim, airbrakes.

2.3 Turn up to 30° angle of bank (AoB) is demonstrated in accordance with industry texts and standards.

2.4 Straight and level flight is demonstrated in accordance with industry texts and standards.

### Outcome 3

Demonstrate situational awareness to Gliding New Zealand Category A standard.

#### Performance criteria

3.1 Lookout/scanning is demonstrated in accordance with industry texts and standards.

3.2 Collision avoidance is demonstrated in accordance with industry texts and standards.

Range see and be seen.

3.3 Right of way and etiquette is demonstrated in accordance with industry texts and standards.

3.4 Wind assessment is carried out in accordance with industry texts and standards.

Range may include but is not limited to – wind socks, smoke, cloud shadow, surface of water.

#### **Outcome 4**

Demonstrate in-flight competence to Gliding New Zealand Category A standard under supervision of an instructor.

#### **Performance criteria**

4.1 HASELL checks are carried out in accordance with industry texts and standards.

Range height, airframe, security, engine, locality, lookout.

4.2 Reduced 'G' forces are experienced under close supervision in accordance with industry texts and standards.

4.3 Slow speed handling is demonstrated in accordance with industry texts and standards.

4.4 Stall conditions are demonstrated under close supervision in accordance with industry texts and standards.

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

4.5 Incipient spin and recovery is demonstrated in accordance with industry texts and standards.

4.6 Full spin and recovery is experienced under close supervision in accordance with industry texts and standards.

4.7 Spiral dive and recovery is demonstrated in accordance with industry texts and standards.

## Outcome 5

Demonstrate non-normal situations to Gliding New Zealand Category A standard under supervision of an instructor.

### Performance criteria

5.1 Non-normal situations are demonstrated in accordance with industry texts and standards.

Range may include but is not limited to – low acceleration on take-off, low level launch failure, brake out, wave off under aero-tow, release hang up.

## Outcome 6

Demonstrate circuiting procedures to Gliding New Zealand Category A standard prior to a first solo flight.

### Performance criteria

6.1 Safe speed near the ground is demonstrated in accordance with industry texts and standards.

6.2 Joining the circuit is demonstrated in accordance with industry texts and standards.

Range downwind/base leg, apply corrections, final approach/aim point, flare/landing.

6.3 Pre-landing checks are carried out in accordance with industry texts and standards.

Range may include but not limited to – straps, undercarriage, flaps, brakes, radio call.

6.4 Bounce recovery is demonstrated in accordance with industry texts and standards.

6.5 Cross wind landing is demonstrated in accordance with industry texts and standards.

6.6 Baulked approach is demonstrated in accordance with industry texts and standards.

## Outcome 7

Complete the Gliding New Zealand A certificate requirements.

**Performance criteria**

7.1 Solo flights are conducted.

Range three flights.

<b>Planned review date</b>	31 December 2023
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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	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0169
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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 ServicelQ [qualifications@serviceiq.org.nz](mailto:qualifications@serviceiq.org.nz) if you wish to suggest changes to the content of this unit standard.