

Title	Fly a glider to achieve a Gliding New Zealand B certificate		
Level	4	Credits	6

Purpose	People credited with this unit standard are, to Gliding New Zealand Category B standard, able to: demonstrate circuit procedures, in-flight competence, thermal soaring, ridge soaring; carry out type conversions; complete incident reporting; demonstrate non-normal situations; and complete the Gliding New Zealand B certificate requirements.
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Classification	Aviation > Aircraft Operation
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Available grade	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 *Non-normal situations* refer to emergency procedures that may be encountered during a flight.

Outcomes and performance criteria

Outcome 1

Demonstrate circuit procedures to Gliding New Zealand Category B standard.

Performance criteria

1.1 Circuit procedures are demonstrated in accordance with industry texts and standards.

Range cross wind, high wind, wind gradient/turbulence, joining variations, steep approach, shallow approach, landing performance, simulated out landing, use of radio.

Outcome 2

Demonstrate in-flight competence to Gliding New Zealand Category B standard.

Performance criteria

2.1 Stalling consolidation is demonstrated in accordance with industry texts and standards.

Range cause, recognition and recovery in turns, in approach configuration, counter the effects of slip and skid.

2.2 Spinning is demonstrated in accordance with industry texts and standards.

Range causes, recognition, recovery.

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

Range recognition, recovery.

2.4 Handling is demonstrated in accordance with industry texts and standards.

Range steep turns, manoeuvring up to V_{ne} , wing overs, side slipping straight, side slipping in a turn, side slipping with brakes out.

Outcome 3

Demonstrate thermal soaring to Gliding New Zealand Category B standard.

Performance criteria

3.1 Lift sources and types are identified in accordance with industry texts and standards.

3.2 Entry and exit points into thermals are demonstrated in accordance with industry texts and standards.

3.3 Soaring techniques are demonstrated in accordance with industry texts and standards.

Range centering, minimum sink, maximum lift drag ratio (L/D), speed angle of bank (AoB), use of variors, 'safe gliding distance'.

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

Outcome 4

Demonstrate ridge soaring to Gliding New Zealand Category B standard.

Performance criteria

- 4.1 Soaring techniques are demonstrated in accordance with industry texts and standards.
- Range optimum speed and height, turbulence, gust stalling, cloud formation and avoidance.
- 4.2 Visual illusions are identified in accordance with industry texts and standards.
- 4.3 Right of way and etiquette is demonstrated in accordance with industry texts and standards.

Outcome 5

Carry out type conversions to Gliding New Zealand Category B standard.

Performance criteria

- 5.1 Flight manual review and daily inspection are carried out in accordance with industry texts and standards.
- 5.2 Aircraft and cockpit familiarisation is carried out in accordance with industry texts and standards.
- 5.3 Handling exercises are carried out in accordance with industry texts and standards.
- Range steep turns, manoeuvring up to V_{ne} , wing overs, side slipping straight, side slipping in a turn, side slipping with brakes out.
- 5.4 Glider is rigged and derigged in accordance with industry texts and standards.

Outcome 6

Complete incident reporting to Gliding New Zealand Category B standard.

Performance criteria

- 6.1 Incident reporting is completed in accordance with industry texts and standards.
- Range requirements for reporting, how to report, follow-up action.

Outcome 7

Demonstrate non-normal situations to Gliding New Zealand Category B standard.

Performance criteria

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

Range may include but is not limited to – brakes jammed open, brakes jammed closed, flight in rain.

Outcome 8

Complete the Gliding New Zealand B certificate requirements.

Performance criteria

8.1 Soaring flight is piloted.

Range 30 minutes duration.

8.2 Daily inspection is completed.

Planned review date	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

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>.

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.