

Title	Fly a glider to achieve a Gliding New Zealand Qualified Glider Pilot (QGP) rating		
Level	5	Credits	10

Purpose	People credited with this unit standard are, to Gliding New Zealand QGP standard, able to: demonstrate cross-country glider soaring, out landings; retrieve a glider; demonstrate high speed flight; conduct a rapid descent; demonstrate final glide to circuit height, non-normal situations; fly passengers; and complete the Gliding New Zealand QGP rating 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 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 Out landings may be real or simulated.
- 7 *Non-normal situations* refer to emergency procedures that may be encountered during a flight.

Outcomes and performance criteria

Outcome 1

Demonstrate cross-country glider soaring to Gliding New Zealand QGP standard.

Performance criteria

- 1.1 Weather conditions are identified in accordance with industry texts and standards.
- 1.2 Flight preparation is carried out in accordance with industry texts and standards.
- Range may include but is not limited to – glider, personal, maps/airspace, global positioning system (GPS) use.
- 1.3 Cross-country gliding is carried out in accordance with industry texts and standards.
- Range navigate in the air, report position, fly in controlled air space, conduct turn point turns and lost procedures, improve climb performance, speed to fly.

Outcome 2

Demonstrate out landings to Gliding New Zealand QGP standard.

Performance criteria

- 2.1 Field selection is demonstrated in accordance with industry texts and standards.
- Range size, surface, slope, surroundings, wind.
- 2.2 Circuit preparation is demonstrated in accordance with industry texts and standards.
- Range planning, correcting high/low circuit, landing on sloping ground.
- 2.3 Out landing is demonstrated in accordance with industry texts and standards.
- Range dual, solo.

Outcome 3

Retrieve a glider to Gliding New Zealand QGP standard.

Range by road or aero-tow.

Performance criteria

- 3.1 Glider is retrieved in accordance with industry texts and standards.
- Range may include but is not limited to – pack glider for towing; aero-tow rules, briefing, cross-country towing, descent on tow.

Outcome 4

Demonstrate high speed flight to Gliding New Zealand QGP standard.

Performance criteria

- 4.1 The effects of controls are demonstrated in accordance with industry texts and standards.
- 4.2 Rough air limitations are identified and described in accordance with industry texts and standards.
- 4.3 Flight at V_{NE} is demonstrated in accordance with industry texts and standards.
- 4.4 Use of air brakes is demonstrated in accordance with industry texts and standards.

Outcome 5

Conduct a rapid descent to Gliding New Zealand QGP standard.

Performance criteria

- 5.1 Rapid descent is conducted in accordance with industry texts and standards.
Range controlled spiral, use of brakes/flaps.

Outcome 6

Demonstrate final glide to circuit height to Gliding New Zealand QGP standard.

Performance criteria

- 6.1 Glide performance is reviewed in accordance with industry texts and standards.
Range may include but is not limited to – calculate height loss to distance flown per 1000 feet, wind effect, lift/sink effect, high on glide, low on glide.
- 6.2 Circuited procedures are demonstrated in accordance with industry texts and standards.
- 6.3 Radio procedures are demonstrated in accordance with industry texts and standards.

Outcome 7

Demonstrate non-normal situations to Gliding New Zealand QGP standard.

Performance criteria

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

Range loss of canopy, mid air collision, bale out, use of parachute, inadvertent flight into cloud, flutter, control malfunction, ground loop.

Outcome 8

Fly passengers to Gliding New Zealand QGP standard.

Performance criteria

8.1 Knowledge of rules and responsibilities are demonstrated in accordance with industry texts and standards.

8.2 Passengers are briefed in accordance with industry texts and standards.

Range orientation, rapid descents, front seat considerations, back seat considerations, air sickness.

Outcome 9

Complete the Gliding New Zealand QGP rating requirements.

Performance criteria

9.1 Knowledge of cross-country soaring is demonstrated in accordance with industry texts and standards.

Range meteorology, air law, navigation, technical knowledge, human factors, radiotelephony.

9.2 Soaring flight is piloted in accordance with industry texts and standards.

Range 60 minutes' duration.

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.