

Title	Fly a glider to gain a Gliding New Zealand Cross Country Pilot certificate		
Level	5	Credits	10

Purpose	People credited with this unit standard are, to Gliding New Zealand Cross Country Pilot standards, able to: demonstrate cross-country glider soaring and out landings; retrieve a glider; demonstrate high speed flight; conduct a rapid descent; demonstrate final glide to circuit height and non-normal situations; and fly passengers. They are also able to complete the Gliding New Zealand Cross Country Pilot 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 Cross Country 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 are not limited to – Gliding New Zealand Cross Country Pilot Standards.
- 8 Out landings may be real or simulated.

- 9 *Non-normal situations* refer to emergency procedures that may be encountered immediately after a launch commences and during a flight.
- 10 Emergency procedures may be real or simulated.

Outcomes and performance criteria

Outcome 1

Demonstrate cross-country glider soaring.

Performance criteria

- 1.1 Weather conditions are identified.
- 1.2 Flight preparation is carried out.
- Range may include but is not limited to – glider, personal, maps and/or airspace, global positioning system (GPS) use.
- 1.3 Cross-country gliding is carried out.
- 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.

Performance criteria

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

Outcome 3

Retrieve a glider.

Range by road or aero-tow.

Performance criteria

3.1 Glider is retrieved.

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.

Performance criteria

4.1 The effects of controls are demonstrated.

4.2 Rough air limitations are identified and described.

4.3 Flight at V_{ne} is demonstrated.

4.4 Use of air brakes is demonstrated.

Outcome 5

Conduct a rapid descent.

Performance criteria

5.1 Rapid descent is conducted.

Range controlled spiral, use of brakes and/or flaps.

Outcome 6

Demonstrate final glide to circuit height.

Performance criteria

6.1 Glide performance is reviewed.

Range may include but is not limited to – calculate height loss to distance flown per 1000 feet, wind effect, lift and/or sink effect, high on glide, low on glide.

6.2 Circuiting procedures are demonstrated.

6.3 Radio procedures are demonstrated.

Outcome 7

Demonstrate non-normal situations.

Performance criteria

7.1 Actions taken on non-normal situations are demonstrated.

Range may include but is not limited to – loss of canopy, mid air collision, bale out, use of parachute, inadvertent flight into cloud, flutter, control malfunction, ground loop.

Outcome 8

Fly passengers.

Performance criteria

8.1 Knowledge of rules and responsibilities are demonstrated.

8.2 Passengers are briefed.

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

Outcome 9

Complete the Gliding New Zealand Cross Country Pilot certificate requirements.

Performance criteria

9.1 Knowledge of cross-country soaring is demonstrated.

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

9.2 Soaring flight is piloted.

Range solo flight of 50 km between 2 points.

Planned review date	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

Consent and Moderation Requirements (CMR) reference	0028
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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 Ringa Hora Services Workforce Development Council qualifications@ringahora.nz if you wish to suggest changes to the content of this unit standard.