Title	**Demonstrate flying skills for a commercial pilot licence (glider)**		
Level	**5**	**Credits**	**8**

Purpose	People credited with this unit standard are, for a commercial pilot's licence (glider), able to demonstrate: general knowledge for a glider flight test; piloting techniques for glider operations.

Classification	Aviation > Aircraft Operation

Available grade	Achieved

Guidance Information

1 The test flight covered by this unit standard must be demonstrated in accordance with the Civil Aviation Rules Part 61 and 91, and other relevant rules, published by the Civil Aviation Authority of New Zealand (CAA), PO Box 3555, Wellington 6140, and their subsequent amendments.

2 This unit standard is aligned with the relevant parts of the prescribed syllabi of the CAA for a commercial pilot licence. Credit will be awarded on meeting the requirements of the CAA-approved assessment or examination.

3 Definitions, abbreviations, and acronyms used in this unit standard are to be found in:
- a *Civil Aviation Rules Part 1* on the CAA website at https://www.caa.govt.nz, and
- b *Aeronautical Information Publication (AIP)* published by Aeronautical Information Management (AIM), PO Box 294, Wellington 6140 or on the AIM website at http://www.aip.net.nz.

4 All references to the CAA refer specifically to the Civil Aviation Authority of New Zealand.

5 Industry standards and recommended practices are those set in place by the CAA.

6 Industry texts may include but are not limited to – aircraft flight manuals, CAA Rules, CAA Advisory Circulars, CAA Flight Test Standards Guides, operator exposition.

7 Industry requirements are that the candidate must meet the eligibility requirements of the Civil Aviation Act 1990 and the Civil Aviation Rule Part 61 for a commercial pilot licence.

Outcomes and performance criteria

Outcome 1

Demonstrate general knowledge for a glider flight test.

Performance criteria

1.1 Aircraft documents are described in accordance with industry texts and standards.

1.2 Pre-take-off checks and aircraft performance requirements are described in accordance with the aircraft's checklist and industry texts and standards.

1.3 Aircraft loading is described in accordance with the aircraft flight manual and industry standards.

Range includes but is not limited to – weight and balance limitations.

1.4 Aircraft inspection, pilot maintenance and pre-flight check are described in accordance with the aircraft flight manual and industry standards.

1.5 Location, use, and operation of emergency equipment are described in accordance with the aircraft flight manual and industry standards.

1.6 Pre-flight equipment check is demonstrated in accordance with industry texts and standards.

1.7 Emergency signals to and from tug aircraft for a glider under tow are described in accordance with the aircraft flight manual and industry standards.

1.8 Rope and cable break procedures are described in accordance with industry texts and standards.

1.9 Care and use of oxygen equipment is described in accordance with industry texts and standards.

1.10 Licence privileges are described in accordance with industry texts and standards.

Outcome 2

Demonstrate piloting techniques for glider operations.

Performance criteria

2.1 Pre-flight operations are carried out in accordance with the aircraft flight manual and industry standards.

Range includes but is not limited to installation of – wings, tail surfaces, flying control systems.

2.2 Air Traffic Service procedures are demonstrated in accordance with AIP and CAA Rules.

2.3 Take-off and climb are demonstrated in accordance with the aircraft flight manual and industry standards.

2.4 Take-off and landing are demonstrated in accordance with the aircraft flight manual and industry standards.

Range includes but is not limited to – into wind, crosswind.

2.5 Action after release is demonstrated in accordance with the aircraft flight manual and industry standards.

2.6 Turns onto compass headings are demonstrated in accordance with the aircraft flight manual and industry standards.

2.7 Compass headings are maintained in accordance with the aircraft flight manual and industry standards.

2.8 Medium turns are demonstrated in accordance with the aircraft flight manual and industry standards.

2.9 Stall onset and recovery are demonstrated in accordance with the aircraft flight manual and industry standards.

2.10 Fully developed stall and recovery are demonstrated in accordance with the aircraft flight manual and industry standards.

2.11 Stall-spin situations are demonstrated in accordance with the aircraft flight manual and industry standards.

2.12 Steep turns are demonstrated in accordance with the aircraft flight manual and industry standards.

2.13 Sideslipping is demonstrated in accordance with the aircraft flight manual and industry standards.

2.14 Simulated paddock landing with covered altimeter is demonstrated in accordance with the aircraft flight manual and industry standards.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 June 2010	31 December 2018
Review	2	20 October 2016	31 December 2027
Review	3	28 September 2023	31 December 2027

Consent and Moderation Requirements (CMR) reference	0169

This CMR can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.