

<b>Title</b>	<b>Demonstrate general aircraft technical knowledge for glider operations</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate general aircraft technical knowledge for glider operations as defined in AC 61-5.
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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 Civil Aviation Authority of New Zealand (CAA) for a commercial pilot licence. Credit will be awarded on meeting the requirements of the CAA-approved assessment or examination.
- 2 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>.
- 3 All references to the CAA refer specifically to the Civil Aviation Authority of New Zealand.
- 4 Industry standards and recommended practices are those set in place by the CAA.
- 5 Industry texts may include but are not limited to – aircraft flight manuals, CAA Rules, CAA Advisory Circulars, CAA Flight Test Standards Guides, operator exposition.
- 6 For the purpose of this unit standard, *knowledge* refers to the knowledge, understanding, and application of the subject matter.
- 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.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate general aircraft technical knowledge for glider operations as defined in AC 61-5.

**Performance criteria**

- 1.1 Major components of a conventional airframe, the basic operation and function, and the principles involved are described in accordance with industry texts and standards.
- Range includes but is not limited to – fuselage, wings, tail section, control surfaces; assembly, disassembly; pre-flight inspection procedures.
- 1.2 Weight and balance, and its principles are described in accordance with industry texts and standards.
- Range includes but is not limited to – centre of gravity, limits, effects of loading on position.
- 1.3 Flight instruments and their principles of operation are described in accordance with industry texts and standards.
- Range may include but is not limited to – altimeter, airspeed indicator, variometer, magnetic compass, artificial horizon, barograph.
- 1.4 Ancillary equipment and its use are described in accordance with industry texts and standards.
- Range may include but is not limited to – oxygen breathing equipment, cable and wire tow ropes, parachutes, VHF radio.
- 1.5 Abilities and restrictions of pilot maintenance are described in accordance with industry texts and 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>.