

<b>Title</b>	<b>Demonstrate cross-country navigation skills for a commercial pilot licence (aeroplane)</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	People credited with this unit standard are able, for a commercial pilot licence (aeroplane), to demonstrate: pre-flight preparation procedures for cross-country flying; cross-country flying; in-flight procedures; and post-flight procedures.
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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 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 Rules Part 61 for a commercial pilot licence.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate pre-flight preparation procedures for cross-country flying for a commercial pilot licence (aeroplane).

#### Performance criteria

- 1.1 Map preparation is demonstrated in accordance with industry texts and standards.
- Range includes but is not limited to collection and interpretation of weather data.
- 1.2 Flight log preparation is demonstrated in accordance with industry texts and standards.
- 1.3 Flight plan compliance requirements are demonstrated in accordance with industry texts and standards.
- Range includes but is not limited to – performance factors, airspace, operator's operating specifications and minimum equipment list.
- 1.4 Weight and balance, and performance factors are calculated in accordance with industry texts and standards.
- Range includes but is not limited to – centre of gravity calculations, load sheet preparation, take-off and landing distance calculations.
- 1.5 Pre-flight external and internal inspection is completed in accordance with the aircraft flight manual and industry standards.
- 1.6 Passenger briefing is demonstrated in accordance with industry texts and standards.

### Outcome 2

Demonstrate cross-country flying for a commercial pilot licence (aeroplane).

#### Performance criteria

- 2.1 Cross-country flying is demonstrated in accordance with industry texts and standards.
- Range includes but is not limited to – weather reports, aircraft performance, calculation of take-off and landing distances, load sheets, aircraft loading, lost procedures.

**Outcome 3**

Demonstrate in-flight procedures for a commercial pilot licence (aeroplane).

**Performance criteria**

- 3.1 Departure procedures are demonstrated in accordance with the aircraft flight manual and industry standards.
- Range includes but is not limited to – position reporting, map reading, correction for track error, revision of ETA.
- 3.2 Diversions are demonstrated in accordance with industry texts and standards.
- 3.3 In-flight emergency procedures are demonstrated in accordance with the aircraft flight manual and industry standards.
- Range includes but is not limited to – simulated engine failure enroute, simulated engine failure after take-off.
- 3.4 Flight in controlled and uncontrolled airspace is demonstrated in accordance with the aircraft flight manual and industry standards.
- Range includes but is not limited to – entry, transit, exit, rejoining procedures; landings include – controlled aerodromes, uncontrolled aerodromes.
- 3.5 Application of VFR to maintain VMC is demonstrated in accordance with the aircraft flight manual and industry standards.
- Range includes but is not limited to – position reporting, TAS checks, update weather reports and forecasts, transponder use, use of standard radiotelephone procedures and phraseology.
- 3.6 NOTAMs and AIP supplements for unplanned diversion to aerodromes are requested in accordance with industry texts and standards.
- 3.7 Flight at various percentage power settings is demonstrated in accordance with industry texts and standards.
- Range includes but is not limited to – fuel check calculations.

**Outcome 4**

Demonstrate post-flight procedures for a commercial pilot licence (aeroplane).

**Performance criteria**

- 4.1 Post-flight procedures are demonstrated in accordance with the aircraft flight manual and industry standards.

Range includes but is not limited to – termination of flight plan, recording flight time, recording and notifying to operator any defects, picketing, refuelling, hangarage.

- 4.2 Documents recording flight are submitted to supervising flight instructor in accordance with industry texts and standards.

Range includes but is not limited to – map, flight plans, weather data, load sheets, completed flight log, logbook certified.

**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
Revision	2	9 December 2010	31 December 2018
Revision	3	18 February 2011	31 December 2018
Review	4	20 October 2016	31 December 2027
Review	5	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>.