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| Title | Demonstrate cross-country navigation skills for a commercial pilot licence (aeroplane) | | |
| Level | 5 | Credits | 15 |

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| Purpose | 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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| Classification | Aviation > Aircraft Operation |
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| Available grade | 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 Evidence presented for assessment against this unit standard must be in accordance with industry texts and standards.
- 5 All references to the CAA refer specifically to the Civil Aviation Authority of New Zealand.
- 6 Industry standards and recommended practices are those set in place by the CAA.
- 7 Industry texts may include but are not limited to – aircraft flight manuals, CAA Rules, CAA Advisory Circulars, CAA Flight Test Standards Guides, operator exposition, New Zealand Defence Force (NZDF) Policy.
- 8 Industry requirements are that the candidate must meet the eligibility requirements of the Civil Aviation Act 2023 and the Civil Aviation Rules Part 61 for a commercial pilot licence.

- 9 In accordance with the provisions of Civil Aviation Rule Part 61 for Pilot Licences and Ratings and the associated Advisory Circulars, the CAA accepts specific NZDF flight crew qualifications and associated flight experience towards a number of the prescribed eligibility requirements for the issue of a New Zealand pilot licence and associated ratings.

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.
- Range includes but is not limited to collection and interpretation of weather data.
- 1.2 Flight log preparation is demonstrated.
- 1.3 Flight plan compliance requirements are demonstrated.
- 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.
- 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.
- 1.6 Passenger briefing is demonstrated.

Outcome 2

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

Performance criteria

- 2.1 Cross-country flying is demonstrated.
- 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.

Range includes but is not limited to – position reporting, map reading, correction for track error, revision of estimated time of arrival (ETA).

3.2 Diversions are demonstrated.

3.3 In-flight emergency procedures are demonstrated.

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.

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.

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.

3.7 Flight at various percentage power settings is demonstrated.

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.

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.

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

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| 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 | 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 |
| Review | 6 | 29 May 2025 | N/A |

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| 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.