

Title	Demonstrate cross-country navigation skills (day) for a commercial pilot licence (helicopter)		
Level	5	Credits	10

Purpose	People credited with this unit standard are able, for a commercial pilot licence (helicopter) to demonstrate: pre-flight preparation procedures for cross-country flying (day); in-flight procedures; turning point procedures; enroute landing; diversion procedures; airmanship 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 This unit standard is to be assessed against a Commercial Pilot Licence (Helicopter) cross-country flight test (day) as specified in Advisory Circular 61-5.
- 9 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.
- 10 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 (day) for a commercial pilot licence (helicopter).

Performance criteria

- 1.1 Map preparation is demonstrated.
- 1.2 Flight log preparation is demonstrated.
- Range includes but is not limited to – track, heading, distance, ground speed, estimated time interval, fuel calculations.
- 1.3 Flight plan requirements are demonstrated.
- 1.4 Air Traffic Service procedures are prepared for.
- 1.5 Weather data, NOTAMs, and AIP supplements are obtained and correctly interpreted.
- 1.6 Fuel planning is calculated.
- 1.7 Aircraft loading is calculated.
- 1.8 Aircraft performance factors are calculated.
- Range includes but is not limited to – take-off and landing distance calculations, enroute requirements.
- 1.9 Pre-flight external and internal inspection is completed.

Outcome 2

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

Performance criteria

- 2.1 Pre-departure systems checks are demonstrated.
- 2.2 Departure procedures are demonstrated.
- 2.3 Navigation is demonstrated.
 - Range includes but is not limited to – position reporting, log keeping, track and ETA correction, TAS checks, map reading, high level and low level navigation.
- 2.4 Position and time are regularly recorded.
- 2.5 Communication to obtain flight information is demonstrated.
- 2.6 Nav aids are used.
- 2.7 Tracking techniques are demonstrated.
- 2.8 Flying accuracy is demonstrated.
- 2.9 ETA is revised.

Outcome 3

Demonstrate turning point procedures for a commercial pilot licence (helicopter).

Performance criteria

- 3.1 ETA is achieved.
- 3.2 Turning points are identified.

Outcome 4

Demonstrate enroute landing for a commercial pilot licence (helicopter).

Performance criteria

- 4.1 Enroute landing is demonstrated.
 - Range circuit, approach, landing, take-off.

Outcome 5

Demonstrate diversion procedures for a commercial pilot licence (helicopter).

Performance criteria

- 5.1 Decision to carry out a diversion is made.

- 5.2 Track and distance are estimated.
- 5.3 ETA revision is demonstrated.
- 5.4 Fuel for the diversion is calculated.
- 5.5 Away landing is demonstrated.

Outcome 6

Demonstrate airmanship procedures for a commercial pilot licence (helicopter).

Performance criteria

- 6.1 Pilot judgement is applied.
 - Range includes but is not limited to – flight as a whole, confidence, handling of aircraft, decision making.
- 6.2 Lookout and general airmanship are demonstrated.
- 6.3 Radiotelephony procedures are demonstrated.
- 6.4 Lost procedures are demonstrated.
- 6.5 In-flight emergency procedures are demonstrated.
 - Range includes but is not limited to – diversion, precautionary landings, engine failure, radio failure, electrics failure, fire, actions in the event of becoming lost.

Outcome 7

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

Performance criteria

- 7.1 Post-flight procedures are carried out.
 - Range includes but is not limited to – engine shutdown, secure aircraft, aircraft inspection, complete documentation, terminate flight plan, terminate SAR watch, logbook certified.

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 2011
Revision	2	9 December 2010	31 December 2011
Revision	3	15 April 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

Consent and Moderation Requirements (CMR) reference

0028

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.