

Title	Demonstrate knowledge of flight planning for an airline transport pilot licence (helicopter)		
Level	6	Credits	6

Purpose	People credited with this unit standard are able, for an airline transport pilot licence (helicopter) in accordance with Subject No 41, to demonstrate knowledge of: flight planning terminology; route selection; navigation plan preparation; fuel planning; and enroute diversion calculations.
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Classification	Aviation > Aircraft Operation
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Available grade	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 Subject No 41 for an airline transport pilot licence (helicopter). Credit will be awarded upon meeting the requirements of the CAA-approved assessment or examination.
- 2 An airline transport pilot licence permits the holder to conduct aircraft operations as pilot-in-command in an aircraft requiring a co-pilot.
- 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 For the purpose of this unit standard, *knowledge* refers to knowledge, understanding, and application of the subject matter.
- 8 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 an airline transport pilot licence (helicopter).

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of flight planning terminology in accordance with Subject No 41.

Performance criteria

- 1.1 Flight planning definitions, terminology and abbreviations are defined in accordance with industry texts and standards.

Outcome 2

Demonstrate knowledge of route selection in accordance with Subject No 41.

Performance criteria

- 2.1 Factors to be considered in route selection are described in accordance with industry texts and standards.

Outcome 3

Demonstrate knowledge of navigation plan preparation in accordance with Subject No 41.

Performance criteria

- 3.1 TAS, climb speeds, descent speeds, and the respective time allowances are derived in accordance with industry texts and standards.
- 3.2 Meteorological information is interpreted in accordance with industry texts and standards.
- Range may include but is not limited to – reports, area forecasts, meteorological reports, trend forecasts, aerodrome forecasts, SIGMET.
- 3.3 Flight plan calculations for an IFR cross-country flight are demonstrated in accordance with industry texts and standards.
- Range may include but is not limited to – top of climb point, level cruise portion, top of descent point, TAS, tracks.

Outcome 4

Demonstrate knowledge of fuel planning in accordance with Subject No 41.

Performance criteria

4.1 Fuel calculations are derived in accordance with industry texts and standards.

Range includes but is not limited to – fuel capacities, useable fuel, standard fuel flows, standard fuel allowances, fuel flow for a given leg/flight.

Outcome 5

Demonstrate enroute diversion calculations in accordance with Subject No 41.

Performance criteria

5.1 Enroute diversion calculations are demonstrated in accordance with industry texts and standards.

Range may include but is not limited to – time and distance to the point of no return, time and distance to the critical point/equi-time point, position following diversion off track.

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	21 January 2011	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>.