

<b>Title</b>	<b>Demonstrate knowledge of flight planning for an airline transport pilot licence (aeroplane)</b>		
<b>Level</b>	<b>6</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	People credited with this unit standard are able, for an airline transport pilot licence (aeroplane), to demonstrate knowledge of: flight planning concepts; and flight planning.
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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 Subject No 40, for an airline transport pilot licence (aeroplane). 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 This unit standard is based on flight planning for an oceanic IFR flight for a multi-engine turbine air transport type aeroplane.
- 4 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>.
- 5 Evidence presented for assessment against this unit standard must be in accordance with industry texts and standards.
- 6 All references to the CAA refer specifically to the Civil Aviation Authority of New Zealand.
- 7 Industry standards and recommended practices are those set in place by the CAA.
- 8 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.
- 9 For the purpose of this unit standard, *knowledge* refers to knowledge, understanding, and application of the subject matter.

- 10 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 an airline transport pilot licence (aeroplane).
- 11 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.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of flight planning concepts for an airline transport pilot licence (aeroplane).

#### Performance criteria

- 1.1 Flight planning terms are defined.
- 1.2 Extended Diversion Time Operations (EDTO) is explained.

### Outcome 2

Demonstrate knowledge of flight planning for an airline transport pilot licence (aeroplane).

#### Performance criteria

- 2.1 Determinations relating to cruise are demonstrated.
- 2.2 Determinations relating to fuel consumption are demonstrated.
- 2.3 Determinations relating to Equi-Time Points (ETP) are demonstrated.
- 2.4 Determinations relating to Return Points are demonstrated.
- 2.5 Determinations relating to Diversion Decision Point are demonstrated.
- 2.6 Flight data extraction is demonstrated.
- Range may include but is not limited to – type of cruise profile, preliminary cruise level, time/distance/fuel to preliminary cruise level.
- 2.7 Revision calculations are demonstrated.
- Range revised ETP; alternate, flight level and speed.
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<b>Replacement information</b>	This unit standard replaced unit standard 15363.
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<b>Planned review date</b>	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	21 January 2011	31 December 2018
Review	2	20 October 2016	31 December 2027
Review	3	28 September 2023	31 December 2027
Review	4	29 May 2025	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0028
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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**Comments on this unit standard**

Please contact Ringa Hora Services Workforce Development Council [qualifications@ringahora.nz](mailto:qualifications@ringahora.nz) if you wish to suggest changes to the content of this unit standard.