

<b>Title</b>	<b>Demonstrate knowledge of air law for instrument flight</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>8</b>

<b>Purpose</b>	People credited with this unit standard are able, for instrument flight in accordance with Subject No 52, to demonstrate knowledge of: aviation legislation; personnel licensing and rating requirements; airworthiness of aircraft and aircraft equipment provisions; the general operating and flight rules; flight planning and preparation; Air Traffic Services; airspace, aerodromes, and heliports; emergencies provisions; and instrument departures and approaches provisions.
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<b>Classification</b>	Aviation > Aircraft Operation
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<b>Available grade</b>	Achieved
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<b>Entry information</b>	
<b>Critical health and safety prerequisites</b>	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 pilot licence.

### Explanatory notes

- 1 This unit standard is aligned with the relevant parts of the prescribed syllabi of the CAA for Subject No 52, for an instrument rating. Credit will be awarded upon meeting the requirements of the CAA-approved assessment or examination.
- 2 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>.
- 3 All references to the CAA refer specifically to the Civil Aviation Authority of New Zealand.
- 4 Industry standards and recommended practices are those set in place by the CAA.
- 5 Industry texts may include but are not limited to – Civil Aviation Act 1990, aircraft flight manuals, CAA Rules, CAA Advisory Circulars, CAA Flight Test Standards Guides, operator exposition.

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## Outcomes and evidence requirements

### Outcome 1

Demonstrate knowledge of aviation legislation in accordance with Subject No 52.

#### Evidence requirements

1.1 Aviation legislative requirements are described in accordance with industry texts and standards.

Range Civil Aviation Act Sections 7, 10, 13.

1.2 Definitions and abbreviations are stated in accordance with industry texts and standards.

### Outcome 2

Demonstrate knowledge of personnel licensing and rating requirements in accordance with Subject No 52.

#### Evidence requirements

2.1 Licensing and rating requirements are stated in accordance with industry texts and standards.

2.2 Eligibility, privileges, and limitations are stated and described in accordance with industry texts and standards.

2.3 Competency, currency, and recency requirements are stated in accordance with industry texts and standards.

2.4 Medical requirements are stated in accordance with industry texts and standards.

### Outcome 3

Demonstrate knowledge of airworthiness of aircraft and aircraft equipment provisions in accordance with Subject No 52.

#### Evidence requirements

3.1 Documentation which must be carried in an aircraft is stated in accordance with industry texts and standards.

3.2 Aircraft maintenance requirements are described in accordance with industry texts and standards.

Range includes but is not limited to – inspection periods.

3.3 Instruments and avionics requirements are stated in accordance with industry texts and standards.

3.4 Equipment requirements are stated in accordance with industry texts and standards.

Range may include but is not limited to – IFR flight, indicating time in flight, night flight.

#### **Outcome 4**

Demonstrate knowledge of the general operating and flight rules in accordance with Subject No 52.

##### **Evidence requirements**

4.1 General operating requirements are stated in accordance with industry texts, and standards.

4.2 General operating restrictions are stated in accordance with industry texts and standards.

#### **Outcome 5**

Demonstrate knowledge of flight planning and preparation in accordance with Subject No 52.

##### **Evidence requirements**

5.1 Flight preparation is described, explained, and calculated in accordance with industry texts and standards.

5.2 Alternate requirements are stated in accordance with industry texts and standards.

5.3 Fuel requirements are stated in accordance with industry texts and standards.

5.4 Flight plan requirements are stated in accordance with industry texts and standards.

#### **Outcome 6**

Demonstrate knowledge of Air Traffic Services in accordance with Subject No 52.

##### **Evidence requirements**

6.1 Communications requirements are stated in accordance with industry texts and standards.

6.2 Clearance requirements are stated in accordance with industry texts and standards.

- 6.3 Separation provisions are stated and described in accordance with industry texts and standards.
- 6.4 Terrain clearance is described and explained in accordance with industry texts and standards.
- 6.5 Weather avoidance requirements are stated in accordance with industry texts and standards.
- 6.6 Radar services are stated and described in accordance with industry texts and standards.
- 6.7 Global Navigation Satellite System provisions are stated in accordance with industry texts and standards.

### **Outcome 7**

Demonstrate knowledge of airspace, aerodromes, and heliports in accordance with Subject No 52.

#### **Evidence requirements**

- 7.1 Altimetry provisions are stated, described, and explained in accordance with industry texts and standards.
- 7.2 Cruising levels provisions are stated, described, and determined in accordance with industry texts and standards.
- 7.3 Transponder provisions are stated and described in accordance with industry texts and standards.
- 7.4 Airspace provisions are stated and described in accordance with industry texts and standards.
- 7.5 Aerodromes and heliports provisions are described and interpreted in accordance with industry texts and standards.
- 7.6 Aerodrome lighting provisions are described in accordance with industry texts and standards.

### **Outcome 8**

Demonstrate knowledge of emergencies provisions in accordance with Subject No 52.

#### **Evidence requirements**

- 8.1 Emergency communications and equipment provisions are stated and described in accordance with industry texts and standards.

**Outcome 9**

Demonstrate knowledge of instrument departures and approaches provisions in accordance with Subject No 52.

**Evidence requirements**

- 9.1 Departure procedures are stated, determined, and calculated in accordance with industry texts and standards.
- 9.2 Holding procedures are identified and stated in accordance with industry texts and standards.
- 9.3 Approach procedures are stated, described, and interpreted in accordance with industry texts and standards.
- 9.4 Communication and navigation aid failure procedures and requirements are stated and described in accordance with industry texts and standards.

<b>Replacement information</b>	This unit standard replaced unit standard 15354.
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<b>Planned review date</b>	31 December 2021
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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	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0169
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Please note**

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The

CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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**Comments on this unit standard**

Please contact ServiceIQ [qualifications@serviceiq.org.nz](mailto:qualifications@serviceiq.org.nz) if you wish to suggest changes to the content of this unit standard.