

Title	Demonstrate competence for a Category B flight instructor rating		
Level	6	Credits	10

Purpose	People credited with this unit standard are, for a Category B flight instructor rating, able to: carry out pre-flight briefing instruction; carry out in-flight instruction; carry out post-flight debriefing instruction; instruct in the principles of flight; instruct in aircraft performance; instruct in aircraft systems; instruct in aircraft weight and balance; instruct in ground handling of aircraft; instruct in the use of meteorological documentation; instruct in cross-country navigation techniques; instruct in air law; instruct in the use of use of flight manual; instruct in the use of aircraft documents; instruct in student pilot privileges and limitations; and demonstrate knowledge of CAA Rules and Advisory Circulars with respect to authorisations and responsibilities of flight instructors.
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Classification	Aviation > Aircraft Operation
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Available grade	Achieved
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Entry information	
Recommended skills and knowledge	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 Category B flight instructor rating.

Explanatory notes

- 1 The 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 Category B flight instructor rating. 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 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, Civil Aviation Act 1990, CAA Rules, CAA Advisory Circulars, CAA Flight Test Standards Guides, operator exposition.

Outcomes and evidence requirements

Outcome 1

Carry out pre-flight briefing instruction.

Evidence requirements

- 1.1 Pre-flight briefing instruction is carried out in accordance with industry texts and standards.
- Range pre-brief, purpose and techniques, critical reflection, environmental considerations, effectiveness.
- 1.2 Ground instructional technique and procedures are demonstrated in accordance with industry texts and standards.
- Range formal ground briefing, purpose and techniques, critical reflection, environmental considerations, effectiveness.

Outcome 2

Carry out in-flight instruction.

Evidence requirements

- 2.1 In-flight instructional technique and procedures are demonstrated in accordance with industry texts and standards.
- Range includes but is not limited to – normal and emergency procedures, basic and advanced manoeuvres, airmanship, situational awareness, lookout, role modelling, in-flight patten, hand over and follow through, student has adequate time to practice the manoeuvre without being overridden, periodic check of trim, fault analysis and correction.

Outcome 3

Carry out post-flight debriefing instruction.

Evidence requirements

3.1 Post-flight debriefing instruction is carried out in accordance with industry texts and standards.

Range includes but is not limited to – fault analysis and correction, corrective actions, constructive feedback.

Outcome 4

Instruct in the principles of flight.

Evidence requirements

4.1 Instruction in the principles of mechanics is demonstrated in accordance with industry texts and standards.

4.2 Instruction in the principles of air and airflow is demonstrated in accordance with industry texts and standards.

4.3 Instruction in the principles of lift is demonstrated in accordance with industry texts and standards.

4.4 Instruction in the principles of drag is demonstrated in accordance with industry texts and standards.

4.5 Instruction in the principles of aerofoils is demonstrated in accordance with industry texts and standards.

4.6 Instruction in the principles of propellers is demonstrated in accordance with industry texts and standards

4.7 Instruction in the principles of level flight is demonstrated in accordance with industry texts and standards.

4.8 Instruction in the principles of gliding is demonstrated in accordance with industry texts and standards

4.9 Instruction in the principles of climbing is demonstrated in accordance with industry texts and standards.

4.10 Instruction in the principles of turning is demonstrated in accordance with industry texts and standards.

4.11 Instruction in the principles of stability and control is demonstrated in accordance with industry texts and standards.

Outcome 5

Instruct in aircraft performance.

Evidence requirements

- 5.1 Instruction in aerodrome geometry and take-off flight path is demonstrated taught in accordance with industry texts and standards.
- 5.2 Instruction in take-off speeds and their effects on aircraft is demonstrated in accordance with industry texts and standards.
- 5.3 Instruction in the factors affecting take-off and landing distances, their calculation, and use is demonstrated in accordance with industry texts and standards.
- 5.4 Instruction in the factors affecting aircraft load factor is demonstrated in accordance with industry texts and standards.

Outcome 6

Instruct in aircraft systems.

Evidence requirements

- 6.1 Instruction in airframes is demonstrated in accordance with industry texts and standards.
- 6.2 Instruction in associated systems is demonstrated in accordance with industry texts and standards.

Outcome 7

Instruct in aircraft weight and balance.

Evidence requirements

- 7.1 Instruction in the effects of aircraft weight and balance is demonstrated in accordance with industry texts and standards.

Outcome 8

Instruct in ground handling of aircraft.

Evidence requirements

- 8.1 Instruction in the ground handling of aircraft is demonstrated in accordance with industry texts and standards.

Outcome 9

Instruct in the use of meteorological documentation.

Evidence requirements

- 9.1 Instruction in meteorological information, its interpretation, and its use in aviation is demonstrated in accordance with industry texts and standards.
- 9.2 Instruction in weather maps and their use in aviation is demonstrated in accordance with industry texts and standards.

Outcome 10

Instruct in cross-country navigation techniques.

Evidence requirements

- 10.1 Instruction in cross-country navigation techniques is demonstrated in accordance with industry texts and standards.

Outcome 11

Instruct in air law.

Evidence requirements

- 11.1 Instruction in air law is demonstrated in accordance with industry texts and standards.

Outcome 12

Instruct in the use of aircraft flight manual.

Evidence requirements

- 12.1 Instruction in the use of aircraft flight manuals is demonstrated in accordance with industry texts and standards.

Outcome 13

Instruct in the use of aircraft documents

Evidence requirements

- 13.1 Instruction in the use of aircraft documents is demonstrated in accordance with industry texts and standards.

Outcome 14

Instruct in student pilot privileges and limitations.

Evidence requirements

- 14.1 Instruction in student pilot privileges is demonstrated in accordance with CAA Rules and Advisory Circulars.

- 14.2 Instruction in student pilot limitations is demonstrated in accordance with CAA Rules and Advisory Circulars.

Outcome 15

Demonstrate knowledge of CAA Rules and Advisory Circulars with respect to authorisations and responsibilities of flight instructors.

Evidence requirements

- 15.1 Private pilot licences, commercial pilot licences, and Category C and B flight instructor ratings are explained in accordance with CAA rules and Advisory Circulars.

Range flight instruction, direct and indirect instruction supervision, first solo, night instruction, aerobatics instruction, spinning instruction, multi-engine instruction, instrument flight rating instruction, cross-country instruction, authorising solo flight, logbook certification, type ratings, PPL and CPL cross-country limitations, BFR RPL, BFR PPL, BFR CPL, supervising C Cat instructors, instructor renewal requirements.

Replacement information	This unit standard replaced unit standard 16332.
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Planned review date	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	18 June 2010	31 December 2018
Review	2	20 October 2016	N/A

Consent and Moderation Requirements (CMR) reference	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.

Comments on this unit standard

Please contact ServiceIQ qualifications@serviceiq.org.nz if you wish to suggest changes to the content of this unit standard.