

Title	Demonstrate mastery for a Category A flight instructor rating (aeroplane and helicopter)		
Level	6	Credits	20

Purpose	People credited with this unit standard are, for a Category A flight instructor rating (aeroplane and helicopter), able to demonstrate: mastery of personal preparation; mastery of pre-flight briefing; mastery of flying skills; mastery of threat and error management; mastery of in-flight pattern; mastery of facilitating student participation and practice in-flight; mastery of fault analysis and correction; mastery of post flight debriefing; mastery in teaching required subjects and mastery of the subjects for oral examination; mastery of aircraft documents; mastery of the techniques of applied instruction; mastery of night flight instruction; mastery of spinning instruction; and mastery of aerobatic flight instruction.
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Classification	Aviation > Aircraft Operation
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Available grade	Achieved
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Guidance Information

- 1 The flight covered by this unit standard must be demonstrated in accordance with the Civil Aviation Rules Part 91 and other relevant rules, published by the Civil Aviation Authority of New Zealand (CAA), PO Box 3555, Wellington 6140, and their subsequent amendments. To undertake this assessment, the candidate must present a current commercial pilot licence (aeroplane or helicopter) CPL (A or H) endorsed with a Category B flight instructor rating, (and for an aeroplane a current instrument rating), current AIP volumes 1 to 4, and copies of recommended flight instructional and reference texts, in accordance with industry texts and standards.
- 2 This unit standard is aligned with the relevant parts of the prescribed syllabi of the CAA for a Category A flight instructor rating (aeroplane and helicopter). Credit will be awarded upon 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.
- 7 Mastery is defined by CAA as ‘having acquired complete knowledge of.’
- 8 The flight examiner may assess the candidate by role-play of the student.
- 9 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 A flight instructor rating (aeroplane and helicopter).

Outcomes and performance criteria

Outcome 1

Demonstrate mastery of personal preparation for a Category A flight instructor rating.

Performance criteria

- 1.1 Personal factors are demonstrated in accordance with industry texts and standards.

Range may include but is not limited to – fitness to fly, pilot licence, logbook, documents, grooming, deportment, punctuality, personal presentation.
- 1.2 Privileges and currency requirements of a Category A flight instructor are described and explained in accordance with industry texts and standards.

Outcome 2

Demonstrate mastery of pre-flight briefing for a Category A flight instructor rating.

Performance criteria

- 2.1 Pre-flight briefing is demonstrated in accordance with industry texts and standards.

Range may include but is not limited to – level of student knowledge established, learning environment, essential points, timeliness, use of instructional media and training aids, topic knowledge, use of terminology, interaction with student.

Outcome 3

Demonstrate mastery of flying skills for a Category A flight instructor rating.

Performance criteria

- 3.1 Flying manoeuvres are demonstrated in accordance with industry texts and standards.

Range may include but is not limited to – basic, advanced, CPL parameters;
smooth and coordinated handling of controls.

- 3.2 Role modelling of high levels of airmanship, situational awareness, and lookout is demonstrated in accordance with industry texts and standards.

Outcome 4

Demonstrate mastery of threat and error management for a Category A flight instructor rating.

Performance criteria

- 4.1 Mastery of threat and error management techniques is demonstrated in accordance with industry texts and standards.

Outcome 5

Demonstrate mastery of in-flight patter for a Category A flight instructor rating.

Performance criteria

- 5.1 Communication is demonstrated in accordance with industry texts and standards.

Range includes but is not limited to – clarity of speech, voice modulation, unambiguity, correct use of aviation terminology, appropriate to the student, coordinated with flight demonstration.

- 5.2 Patter is coordinated with key demonstration points in accordance with industry texts and standards.

Outcome 6

Demonstrate mastery of facilitating student participation and practice in-flight for a Category A flight instructor rating.

Performance criteria

- 6.1 Handover and follow through are explained in accordance with industry texts and standards.

- 6.2 Placement of hands and feet is demonstrated in accordance with industry texts and standards.

- 6.3 Student is encouraged to follow through on the controls in accordance with industry texts and standards.
- 6.4 Student is enabled to practise manoeuvres in accordance with industry texts and standards.
- Range includes but is not limited to – sufficient time to practise manoeuvre without control being overridden.
- 6.5 Trim is checked in accordance with industry texts and standards.

Outcome 7

Demonstrate mastery of fault analysis and correction for a Category A flight instructor rating.

Performance criteria

- 7.1 Any student handling faults are identified and diagnosed in accordance with industry texts and standards.
- 7.2 Corrective action is applied in accordance with industry texts and standards.
- 7.3 Constructive critique is provided in accordance with industry texts and standards.

Outcome 8

Demonstrate mastery of post flight debriefing for a Category A flight instructor rating.

Performance criteria

- 8.1 Student is debriefed in accordance with industry texts and standards.
- 8.2 Student is provided with positive reinforcement and constructive criticism in accordance with industry texts and standards.

Outcome 9

Demonstrate mastery in teaching required subjects and mastery of the subjects for oral examination for Category A flight instructor rating.

Performance criteria

- 9.1 Principles of flight are explained in accordance with industry texts and standards.
- Range effective use of teaching aids.

9.2 Cross-country navigation techniques are explained in accordance with industry texts and standards.

Range effective use of teaching aids.

9.3 The NZ Aviation Information Publication and supplements are explained in accordance with industry texts and standards.

9.4 Meteorology is described in accordance with industry texts and standards.

9.5 Civil Aviation Rules Part 61 and Part 91 are described in accordance with industry texts and standards.

9.6 The privileges, currency, and supervision requirements for a flight instructor are described in accordance with industry texts and standards.

Range all relevant licences and ratings.

Outcome 10

Demonstrate mastery of aircraft documents for a Category A flight instructor rating.

Range ability to teach subjects to any student.

Performance criteria

10.1 Aircraft documentation is explained in accordance with industry texts and standards.

10.2 Knowledge of aircraft loading is demonstrated in accordance with industry texts and standards.

10.3 Aircraft performance is explained in accordance with industry texts and standards.

Outcome 11

Demonstrate mastery of the techniques of applied instruction for a Category A flight instructor rating.

Performance criteria

11.1 Instructional techniques are exhibited in accordance with industry texts and standards.

Range pre-flight briefing, in-flight instruction, post-flight debrief, oral examinations.

Outcome 12

Demonstrate mastery of night flight instruction for a Category A flight instructor rating.

Performance criteria

- 12.1 Mastery of the skills of night flight instruction is demonstrated in accordance with industry texts and standards.
- 12.2 Mastery of night flight is demonstrated in accordance with industry texts and standards.

Outcome 13

Demonstrate mastery of spinning instruction for a Category A flight instructor rating.

Performance criteria

- 13.1 Mastery of the skills of spinning instruction is demonstrated in accordance with industry texts and standards.
- 13.2 Mastery of spin entry and recovery is demonstrated in accordance with industry texts and standards.

Outcome 14

Demonstrate mastery of aerobatic flight instruction for a Category A flight instructor rating.

Performance criteria

- 14.1 Mastery of the skills of aerobatic flight instruction is demonstrated in accordance with industry texts and standards.
- 14.2 Mastery of aerobatic flight manoeuvres is demonstrated in accordance with industry texts and standards.

Replacement information	This unit standard replaced unit standard 16318.
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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
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.