

Title	Fly an uninhabited aerial vehicle		
Level	4	Credits	8

Purpose	People credited with this unit standard are able to: fly an uninhabited aerial vehicle on operations by day; demonstrate knowledge of night flight operations for an uninhabited aerial vehicle; and fly an uninhabited aerial vehicle on operations by night.
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Classification	Aviation > Aircraft Operation
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Available grade	Achieved
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Explanatory notes

- 1 Definition
UAS flight manual refers to the manufacturer's printed instructions and recommendations applicable to the uninhabited aerial system (UAS).
- 2 The UAS operations covered by this unit standard must be demonstrated in accordance with the Civil Aviation Rules Part 61 and other relevant rules, published by the Civil Aviation Authority (CAA) of New Zealand, PO Box 3555, Wellington 6140, or available at <http://www.caa.govt.nz>.
- 3 Industry standards and recommended practices are those recognised by the CAA.
- 4 Industry texts may include but are not limited to – aircraft flight manuals, CAA Rules, CAA Advisory Circulars, operator exposition.
- 5 For the purpose of this unit standard, *knowledge* refers to knowledge, understanding, and application of the subject matter.
- 6 This unit standard is applicable to a small UAV (uninhabited aerial vehicle) (Under 25 kg MTOW), for example the Kahu UAV or RQ-84Z AreoHawk UAV.

Outcomes and evidence requirements

Outcome 1

Fly an uninhabited aerial vehicle on operations by day.

Evidence requirements

- 1.1 Uninhabited aerial vehicle operations are demonstrated in accordance with industry texts and standards, and the UAS flight manual.

Range five cross country flights;
three flights in mountainous terrain.

Outcome 2

Demonstrate knowledge of night flight operations for an uninhabited aerial vehicle.

Evidence requirements

- 2.1 The environmental conditions affecting night flight operations are explained in accordance with industry texts and standards.

Outcome 3

Fly an uninhabited aerial vehicle on operations by night.

Evidence requirements

- 3.1 Uninhabited aerial vehicle operations by night are demonstrated in accordance with industry texts and standards, and the UAS flight manual.

Range one cross country flight;
one flight in mountainous terrain;
may include but is not limited to – preparation of GCS for flight,
preparation of UAV for flight, operational briefing, launch, control,
recover.

Planned review date	31 December 2017
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 April 2013	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 the Service Skills Institute (ServiceIQ) qualifications@serviceiq.org.nz if you wish to suggest changes to the content of this unit standard.